



ZSIVIRA[®]

**FINISHING
RANGE**

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ZSIVIRA

Preface about **ZSIVIRA** :

ZSIVIRA CHEMIE MERK PRIVATE LIMITED was founded in the year 1992 and was producing Micro Nutrients for Feed and Agro Industries. In the year 1996 **ZSIVIRA** entered into producing speciality chemicals for leather with just a handful of products to cater to the leather sector.

Now, **ZSIVIRA** produces almost 400+ individual products for the Leather Industry from Beamhouse to Finishing and further couple of range of products for Construction and PVC Additives. **ZSIVIRA** is equipped with its own in-house testing laboratories for chemicals and has its own Leather Development and Technical Service Centre across India. **ZSIVIRA** is one of the few companies in Leather Chemicals Sector being awarded for Best Manufacturing Practices.

ZSIVIRA now has presence in 19 Countries across the Globe.

ZSIVIRA CHEMIE MERK is awarded as the Top 10 prospective Indian Company in Chemical Sector for 2020 by the Prestigious "THE INDUSTRIAL OUTLOOK" magazine in 2020.

We are also accredited with Medical Excellence Award 2021 for inventing SURVIRAL C19 which is a Silver Based Nano Antiviral spray for protecting against Influenza A & Sars viruses.

All **ZSIVIRA** Products are compliant to REACH Norms and we are part of Global Sustainability Action Forum.

We are enrolled in the below forums and accredited with the following certifications :



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All Products Complies REACH Norms

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BRIDAL TOUCH DD

Defects Diminishing Finishing System

Chemical composition	Combination of polymers and polysiloxane
Appearance	Creamish Paste
Solids	25 ± 2%
Charge	Anionic
pH 10%	6.5 – 7.5
Shelf Life	Upto 6 months from the date of manufacturing

Application:

- » BRIDAL TOUCH DD is a special product which diminishes and camouflages the visible defects on every kind of leather.
- » Provides good polishing and re-polishing effect.
- » Provides very good covering of defects and grain-offs, without over loading the grain.
- » Fills the defects and enhances the upgradation and improves the selection and cutting value of heavy defective leathers.
- » Provides excellent touch with natural grain look for garments.

Usage:

Normally 200 to 300 parts of BRIDAL TOUCH DD along with 100 parts of pigments per litre of season is suggested.

In case of specific finishes combination with ZYTHANE E99 will improve adhesion power.

Note : *The product being combination of various raw materials, there are chances of variations in colour and viscosity. The property and application of the product will remain same.
Store within 5°C to 35°C in original pack with tightly closed.*

The above information on application on leather is given in accordance to the best of our knowledge and our lab applications. As the usage of the product by the consumer is not under our control, we are not liable for any sort of claims or reimbursements. The product is given without any guarantee/warranty in connection to end use.

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COLLOID 10631

Covering Colloid

Chemical composition	Micro fine Colloids
Appearance	creamish Paste
Solids	22 to 25%
Charge	Anionic
pH 10%	7.0 – 8.0%
Shelf Life	6 months from the date of manufacture

Application :

- » COLLOID 10631 is a special product suitable for finishing a variety of leathers.
- » Enhances the covering property of the finish solution without over loading the grain.
- » Fills the defects and enhances the upgradation and improves the selection and cutting value of heavy defective leathers.
- » Provides excellent touch with natural grain look for garments.

Usage :

Normally 200 parts of COLLOID 10631 along with 100 parts of VIRABLACK pigments per litre of season is suggested.

In case of specific finishes combination with ZYTHANE E99 will improve adhesion power.

Note : *The product being combination of various raw materials, there are chances of variations in colour and viscosity. The property and application of the product will remain same.
Store within 5°C to 35°C in original pack with tightly closed.*

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COLLOID 10631-B

Covering Burnish Colloid

Chemical composition	Micro fine Colloids with burnish waxes
Appearance	Creamish Paste
Solids	22 to 25%
Charge	Anionic
pH 10%	7.0 – 8.0%
Shelf Life	6 months from the date of manufacture

Application :

- » COLLOID 10631B is a special product suitable for finishing a variety of leathers.
- » Provides Burnish effect which may be required for polishing articles and nacked finishes.
- » Enhances the covering property of the finish solution without over loading the grain.
- » Fills the defects and enhances the upgradation and improves the selection and cutting value of heavy defective leathers.
- » Provides excellent touch with natural grain look for garments.

Usage :

Normally 200 parts of COLLOID 10631-B along with 100 parts of VIRABLACK pigments per litre of season is suggested.

In case of specific finishes combination with ZYTHANE E99, ZYTHANE E310 will improve adhesion power.

Note : The product being combination of various raw materials, there are chances of variations in colour and viscosity. The property and application of the product will remain same.
Store within 5°C to 35°C in original pack with tightly closed.

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COLLOID 20M

Covering Colloid

Chemical composition	Colloids
Appearance	Creamish Paste
Solids	22 to 25%
Charge	Anionic
pH 10%	7.0 – 8.0
Shelf Life	6 months from the date of manufacture

Application:

- » COLLOID 20M is a special product suitable for finishing a variety of leathers.
- » Enhances the covering property of the finish solution without over loading the grain.
- » Fills the defects and enhances the upgradation and improves the selection and cutting value of heavy defective leathers.
- » Best for snuffed leather articles and splits.
- » COLLOID 20M suppress the glossy character of the finish and thereby camouflages the defect.
- » Acts as anti – sticking agent during piling of leather.

Usage :

Normally 50 parts of COLLOID 20M per litre of season along with ZYTHANE E99 is suggested.

Note : The product being combination of various raw materials, there are chances of variations in colour and viscosity. The property and application of the product will remain same.
Store within 5°C to 35°C in original pack with tightly closed.

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COMBO Nano KB414

Anionic Compact

Chemical composition	Based on Multiple Proprietary finishing system
Appearance	Pale Beige Fluid
Solids	24 to 26%
Charge	Anionic
pH 10%	7.0 – 8.5%
Shelf of Life	6 months from the date of manufacture

Application :

- » COMBO Nano KB414 is a compact solution which can be straight away blended with pigment and water and get the leather finished.
- » It is a special proprietary formulated product which gives good covering with smooth handle and best anchoring of the finish.
- » It is suitable for full grain articles, corrected grain, uppers and milled articles.
- » Provides excellent covering of defects with remarkable sealing of defects.
- » Excellent light fastness and hence can be used in wet white and other light fast and pastel finishes.
- » Can be applied with spray and also by roller coating.

Usage:

Normally 300 parts along with required pigment in season combination will result in remarkable upgradation.

Depending upon article, need to adjust the usage and need to add other auxiliaries

Note : The product being combination of various raw materials, there are chances of variations in colour and viscosity. The property and application of the product will remain same.
Store within 5°C to 35°C in original pack with tightly closed.

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COMBO AN 1100

Anionic Compact

Chemical composition	Based on Multiple Proprietary Finishing System
Appearance	Pale White to Creamish Fluid
Solids	25 to 27%
Charge	Anionic
pH 10%	7.0 – 8.0%
Shelf Life	6 months from the date of manufacture

Application :

- » COMBO- AN 1100 is a PU compound product which produces medium soft, elastic finish with good anchoring on the leather.
- » It is best suitable for full grain articles, corrected grain, uppers and upholstery.
- » Provides excellent covering of visible defects with good fastness.
- » Can be applied with spray and also by roller coating.

Usage:

Normally 50 to 150 parts in season combination will result in remarkable upgradation.

Note : The product being combination of various raw materials, there are chances of variations in colour and viscosity. The property and application of the product will remain same.
Store within 5°C to 35°C in original pack with tightly closed.

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COMBO AN 2100

Anionic Compact

Chemical composition	Based on Multiple Propreitory Finishing System
Appearance	Pale White to Creamish Fluid
Solids	24 to 26%
Charge	Anionic
pH 10%	6.5 – 7.5%
Shelf Life	6 months from the date of manufacture

Application :

- » COMBO AN 2100 is a PU-Resin compound product which produces medium soft, elastic finish with good anchoring on the leather.
- » It is best suitable for nappa, softies and soft articles where covering without loading is needed.
- » Provides excellent covering of visible defects with good fastness.
- » Can be applied with spray and also by roller coating.
- » Will not disturb the softness of the leather.

Usage:

Normally 50 to 150 parts in season combination will result in remarkable upgradation.

Note : *The product being combination of various raw materials, there are chances of variations in colour and viscosity. The property and application of the product will remain same.
Store within 5°C to 35°C in original pack with tightly closed.*

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COMBO AN4400

Anionic Compact

Chemical composition	Based on Multiple Propreitory Finishing System
Appearance	Pale Beige Fluid
Solids	23 to 25%
Charge	Anionic
pH 10%	7.0 – 7.5%
Shelf Life	6 months from the date of manufacture

Application :

- » COMBO AN 4400 is a compact solution which can be straight away blended with pigment and water and get the leather finished.
- » It is a special propreitory formulated product which gives good covering with smooth handle and best anchoring of the finish.
- » It is suitable for full grain articles, corrected grain and uppers.
- » Provides event covering of defects with notable sealing of defects.
- » Good light fastness and hence can be used in wet white and other light fast and pastel finishes.
- » Can be applied with spray and also by roller coating.

Usage:

Normally 300 to 400 parts along with required pigment in season combination will result in remarkable upgradation.

Depending upon article, need to adjust the usage and need to add other auxiliaries.

Note : *The product being combination of various raw materials, there are chances of variations in colour and viscosity. The property and application of the product will remain same.
Store within 5°C to 35°C in original pack with tightly closed.*

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COMBO CT11A

Cationic Upgradation Compact

Chemical composition	Based on Multiple Proprietary Cationic Compounds
Appearance	Pale Opaque Fluid
Solids	13 to 16%
Charge	Cationic
pH 10%	3.0 – 4.0
Shelf Life	6 months from the date of manufacture

Application :

- » COMBO CT 11A is a special proprietary formulated product for upgradation of all kinds of leathers.
- » Produces soft, elastic finish with good anchoring on the leather.
- » Provides excellent natural look with rich aniline optic.
- » It is suitable for full grain articles, corrected grain, uppers, splits and in all defect covering system.
- » Provides excellent covering of defects with remarkable filling and sealing.
- » Can be applied with spray and also by roller coating.

Usage:

Normally 300 to 500 parts in combination with Cationic Pigment will result in remarkable upgradation.

Note : The product being combination of various raw materials, there are chances of variations in colour and viscosity. The property and application of the product will remain same.
Store within 5°C to 35°C in original pack with tightly closed.

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COMBO CT 12B

Cationic Upgradation Burnish Compact

Chemical composition	Based on Multiple Propreitory Cationic Compounds
Appearance	Pale Opaque Fluid
Solids	12 to 15%
Charge	Cationic
pH 10%	3.5 – 4.5%
Shelf Life	6 months from the date of manufacture

Application :

- » COMBO- CT 12B is a special propreitory formulated product for upgradation of all types of leathers.
- » It produces Very soft, elastic finish with good anchoring on the leather.
- » Provides excellent natural look with rich aniline Matt optic.
- » It is suitable for full grain articles, corrected grain, uppers, splits and in all defect covering system.
- » Provides excellent covering of defects with remarkable filling and sealing.
- » Exhibits excellent burnishing / polishing/repolishing effect.
- » Can be applied with spray and also by roller coating.

Usage:

Normally 300 to 500 parts in combination with Cationic Pigment will result in remarkable upgradation.

Note : The product being combination of various raw materials, there are chances of variations in colour and viscosity. The property and application of the product will remain same.
Store within 5°C to 35°C in original pack with tightly closed.

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COMBO CT 2020M

Cationic Upgradation Burnish Compact

Chemical composition	Based on Multiple Proprietary Cationic Compounds
Appearance	Pale Opaque Fluid
Solids	18 to 20%
Charge	Cationic
pH 10%	4.5 – 5.5%
Shelf Life	6 months from the date of manufacture

Application :

- » COMBO- CT 2020M is a special proprietary formulated product for upgradation of all types of leathers.
- » It produces Medium soft, elastic finish with good anchoring on the leather.
- » Provides excellent natural look with rich aniline Matt optic.
- » It is suitable for full grain articles, corrected grain, uppers, splits and in all defect covering system.
- » Provides excellent covering of defects with remarkable filling and sealing.
- » Exhibits excellent burnishing / polishing/ repolishing effect.
- » Can be applied with spray and also by roller coating.

Usage:

Normally 200 to 300 parts in combination with Cationic Pigment will result in remarkable upgradation.

Note : The product being combination of various raw materials, there are chances of variations in colour and viscosity. The property and application of the product will remain same.
Store within 5°C to 35°C in original pack with tightly closed.

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FINSPLIT M

Multipurpose finishing aid

Chemical composition	Blend of selective additives
Appearance	Creamish Thick Paste
Solids	18 ± 1%
pH 10%	8.0 – 9.0%
Shelf Life	6 months from the date of manufacture

Properties & Application :

- » FINSPLIT M is used in acrylic finishing for getting soft and smooth finish.
- » Covers the defects in lower selections of grains leathers and splits and improves the cutting value of the leather.
- » Level out the uneven absorption of the leather and facilitates even covering and finishing.
- » Facilitates High Temperature Embossing with tremendous plate releasing.

Usage :

For Sealing in split and corrected Grain leathers:

Mix well 50 to 100 grams of FINSPLIT M in one litre of water and spray two cross coat. Complete drying, Plate at 90°C for better covering and sealing.

For Softy Upper and lower grade Garments:

40 to 60 grams of FINSPLIT M is used in one litre of season.

FINSPLIT M is to be dissolved in hot, soft water before adding to season of finish mix.

Note : *The product being combination of various raw materials, there are chances of variations in colour and viscosity. The property and application of the product will remain same. Store within 5°C to 35°C in original pack with tightly closed.*

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REZINE SR55i

Acrylic Impregnation Resin Binder

Chemical composition	Acrylic Polymer blend
Appearance	Opaque Liquid
Solids	30 ± 1%
pH 10%	6.5 – 7.5%
Charge	Anionic
Film	Medium Tack, Medium Hard and Elastic
Shelf Life	6 months from the date of manufacture

Properties:

- » REZINE SR55i is a VOC FREE, Medium Hard Impregnation Binders used for CG & Shoe Uppers.
- » It is mainly used in CG Shoe uppers where resistance to solvents like Acetone and Toluene is mandatory.
- » Improves Grain Tightness and scuff resistance with good abrasion properties in CG and shoe uppers.
- » Provides excellent filling with smooth pull-up properties during lasting operation.
- » Outstanding Wet and Dry Rub Fastness.

Usage :

300 grams to 350 grams of Rezine 99i
150 grams Penetrator BI
500 grams' water

Note : The product being combination of various raw materials, there are chances of variations in colour and viscosity. The property and application of the product will remain same.
Store within 5°C to 35°C in original pack with tightly closed.

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REZINE 77i

Acrylic Impregnation Resin Binder

Chemical composition	Acrylic Polymer blend
Appearance	Clear Solution
Solids	18% to 20%
pH 10%	8.0 – 8.5%
Charge	Anionic
Film	Soft, Glossy and Clear Film
Shelf Life	6 months from the date of manufacture

Properties:

- » REZINE 77i is used as impregnation binder for garment, shoe upper and linings.
- » Outstanding for full grain leathers and softies and soft nappa where smooth surface is needed.
- » Outstanding Wet and Dry Rub Fastness.
- » Best for split sealing when used with Polyurethane binders.
- » Excellent penetration.
- » Provides Natural look and handle.
- » Withstands long hour dry milling and polishable.

Usage :

300 grams to 350 grams of Rezine 77i
150 grams Penetrator IMP / Penetrator BI
500 grams' water

Note : The product being combination of various raw materials, there are chances of variations in colour and viscosity. The property and application of the product will remain same.
Store within 5°C to 35°C in original pack with tightly closed.

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REZINE 99i

Hard Acrylic Impregnation Resin Binder

Chemical composition	Acrylic Polymer blend
Appearance	Milky White
Solids	35 ± 1%
pH 10%	7.0 – 7.5
Charge	Anionic
Film	Medium Tack, Medium Hard and Elastic
Shelf Life	6 months from the date of manufacture

Properties:

- » REZINE 99i is a VOC FREE, Medium Hard Impregnation Binders used for Full Grain, Corrected Grain and Uppers.
- » Improves Grain Tightness and scuff resistance with good abrasion properties in FG and CG uppers.
- » Provides excellent filling and tightness to the leather thereby reduces and even eliminates rejections due to looseness in most articles.
- » Outstanding Wet and Dry Rub Fastness.
- » Excellent adhesion and penetration.

Usage :

300 grams to 350 grams of Rezine 99i
150 grams Penetrator BI
500 grams' water

Note : The product being combination of various raw materials, there are chances of variations in colour and viscosity. The property and application of the product will remain same.
Store within 5°C to 35°C in original pack with tightly closed.

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REZINE DC434

Medium Hard Binder for Dust Coat

Chemical composition	Proprietary Acrylic PU blend
Appearance	Milky Emulsion
pH 10%	7.0 – 8.0%
Charge	Anionic
Film	Very Soft, Elastic and Continuous
Shelf Life	6 months from the date of manufacture

Properties:

- » REZINE DC434 gives clear colourless and Medium Hard film.
- » Outstanding Wet and Dry Rub Fastness.
- » Used in Dust coats in finishing of shoe softy, uppers, garments, gloves and milled articles.

Usage :

Uppers : 250 grams to 300 grams per litre of water and spray
Garments : 150 grams per litre of water and spray

Note : The product being combination of various raw materials, there are chances of variations in colour and viscosity. The property and application of the product will remain same.
Store within 5°C to 35°C in original pack with tightly closed.

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REZINE DC50

Medium Hard Dust Coat Binder

Chemical composition	Proprietary acrylic Polymer blend
Appearance	Milky Emulsion
pH 10%	7.0 – 8.0%
Charge	Anionic
Film	Very Soft, Elastic and Continuous
Shelf Life	6 months from the date of manufacture

Properties:

- » REZINE DC50 gives clear colourless and Medium Hard film.
- » Outstanding Wet and Dry Rub Fastness.
- » Used in Dust coats in finishing of shoe softy, uppers, garments, gloves and milled articles.

Usage :

Uppers : 250 grams to 300 grams per litre of water and spray.
Garments : 150 grams per litre of water and spray.

Note : The product being combination of various raw materials, there are chances of variations in colour and viscosity. The property and application of the product will remain same.
Store within 5°C to 35°C in original pack with tightly closed.

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REZINE MS75

Medium Soft Resin Binder

Chemical composition	Proprietary acrylic Polymer blend
Appearance	Milky Emulsion
Solids	34 to 35%
pH 10%	5.5 – 7.0%
Charge	Anionic
Film	Medium Soft, Tough & Low Tack
Shelf Life	6 months from the date of manufacture

Properties:

- » REZINE MS75 provides high covering in base coat.
- » It with stands high pressure and high temperature plating/embossing.
- » Outstanding Wet and Dry Rub Fastness.
- » Excellent print retention for Printed Dry Milled articles.
- » Can be used in Base Coats, intermediate coats in finishing of shoe softy, uppers, garments, gloves and milled articles.
- » Excellent light fastness and hence suitable for wet white and pastel colour finishes.

Usage :

Recommended 100 to 250 Parts in base coats and intermediate coats.

Note : *The product being combination of various raw materials, there are chances of variations in colour and viscosity. The property and application of the product will remain same. Store within 5°C to 35°C in original pack with tightly closed.*

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REZINE MS76

Medium Soft Resin Binder

Chemical composition	Proprietary acrylic Polymer blend
Appearance	Milky Emulsion
Solids	Approx 30%
pH 10%	7.0 – 8.5%
Charge	Anionic
Film	Medium Soft, Tough & Low Tack
Shelf Life	6 months from the date of manufacture

Properties:

- » REZINE MS76 provides high covering in base coat.
- » It with stands high pressure and high temperature plating / embossing.
- » Outstanding Wet and Dry Rub Fastness.
- » Excellent print retention for Printed Dry Milled articles.
- » Can be used in Base Coats, intermediate coats in finishing of shoe softy, uppers, garments, gloves and milled articles.
- » Excellent light fastness and hence suitable for wet white and pastel colour finishes.

Usage :

Recommended 100 to 250 Parts in base coats and intermediate coats.

Note : The product being combination of various raw materials, there are chances of variations in colour and viscosity. The property and application of the product will remain same.
Store within 5°C to 35°C in original pack with tightly closed.

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REZINE MS670

Self Cross Linking Micro Resin Binder

Chemical composition	Proprietary acrylic Polymer blend
Appearance	Milky Emulsion
Solids	Approx 34% to 36%
pH 10%	5.0 – 6.0%
Charge	Anionic
Film	Medium Soft, Low Tack and Good Light Fastness
Shelf Life	6 months from the date of manufacture

Properties:

- » REZINE MS670 is a self cross-linking Acrylic Resin Binder used for variety of finishing.
- » Provides very Natural Look.
- » Excellent Adhesion and flexibility with very good cold-crack resistance.
- » Excellent print retention for Printed Dry Milled articles.
- » Can be used in Base Coats, intermediate coats in finishing of shoe softy, uppers, garments, gloves and milled articles.
- » Excellent light fastness and hence suitable for wet white and pastel colour finishes.
- » Excellent heat resistance and hence very much suitable for high temperature plating and embossing.

Usage :

Recommended Upto 150 parts for corrected grains and Upto 120 Parts for Nappa and garment.

Note : The product being combination of various raw materials, there are chances of variations in colour and viscosity. The property and application of the product will remain same.
Store within 5°C to 35°C in original pack with tightly closed.

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REZINE M805

Medium Soft Resin Binder

Chemical composition	Proprietary acrylic Polymer blend
Appearance	Milky Emulsion
Solids	Approx 30%
pH 10%	7.0 – 8.5%
Charge	Anionic
Film	Medium Soft, Tough & Low Tack
Shelf Life	6 months from the date of manufacture

Properties:

- » REZINE MS805 provides good covering in base coat.
- » It with stands high pressure and high temperature plating / embossing.
- » Outstanding Wet and Dry Rub Fastness.
- » Good print retention for Printed Dry Milled articles.
- » Can be used in Base Coats, intermediate coats in finishing of shoe softy, uppers, garments, gloves and milled articles.
- » Excellent light fastness and hence suitable for wet white and pastel colour finishes.

Usage :

Recommended 150 to 250 Parts in base coats and intermediate coats.

Note : *The product being combination of various raw materials, there are chances of variations in colour and viscosity. The property and application of the product will remain same. Store within 5°C to 35°C in original pack with tightly closed.*

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REZINE S464W

Soft Resin Binder

Chemical composition	Proprietary acrylic Polymer blend
Appearance	Milky Emulsion
Solids	32 to 35%
pH 10%	5.5 – 5.8
Charge	Anionic
Film	Very Soft, Elastic and Continuous

Properties:

- » REZINE S464W gives clear colourless and flexible film.
- » Camouflages
- » Excellent Penetration property and cold crack resistance.
- » Outstanding Wet and Dry Rub Fastness.
- » Maintains soft touch and natural look.
- » Can be used in Base Coats, intermediate coats in finishing of shoe soles, uppers, garments, gloves and milled articles.

Usage :

Recommended 100 to 300 Parts in base coats and intermediate coats.

Note : The product being combination of various raw materials, there are chances of variations in colour and viscosity. The property and application of the product will remain same.
Store within 5°C to 35°C in original pack with tightly closed.

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REZINE S86

Soft Resin Binder

Chemical composition	Proprietary acrylic Polymer blend
Appearance	Milky Emulsion
Solids	32 to 35%
pH 10%	5.3 – 5.8%
Charge	Anionic
Film	Very Soft, Elastic and Continuous
Shelf Life	6 months from the date of manufacture

Properties:

- » REZINE S86 gives clear colourless and flexible film.
- » Excellent Penetration property and cold crack resistance.
- » Outstanding Wet and Dry Rub Fastness.
- » Maintains soft touch and natural look.
- » Can be used in Base Coats, intermediate coats in finishing of shoe softy, uppers, garments, gloves and milled articles.

Usage :

Recommended 100 to 300 Parts in base coats and intermediate coats.

Note : *The product being combination of various raw materials, there are chances of variations in colour and viscosity. The property and application of the product will remain same. Store within 5°C to 35°C in original pack with tightly closed.*

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REZINE S87

Soft Resin Binder

Chemical composition	Proprietary acrylic Polymer blend
Appearance	Milky Emulsion
Solids	Approx 30%
pH 10%	5.5 – 6.0
Charge	Anionic
Film	Very Soft, Elastic and Continuous
Shelf Life	6 months from the date of Manufacture

Properties:

- » REZINE S87 gives clear colourless and flexible film.
- » Excellent Penetration property and cold crack resistance.
- » Outstanding Wet and Dry Rub Fastness.
- » Maintains soft touch and natural look.
- » Can be used in Base Coats, intermediate coats in finishing of shoe soles, uppers, garments, gloves and milled articles.

Usage :

Recommended 100 to 300 Parts in base coats and intermediate coats.

Note : The product being combination of various raw materials, there are chances of variations in colour and viscosity. The property and application of the product will remain same.
Store within 5°C to 35°C in original pack with tightly closed.

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REZINE SB100

Self Cross Linking Medium Soft Resin Binder

Chemical composition	Proprietary acrylic Polymer blend
Appearance	Milky Liquid
Solids	34 to 35%
pH 10%	6.5 – 8.0
Charge	Anionic
Film	Medium Soft, Tough & Low Tack
Shelf Life	6 months from the date of manufacture

Properties:

- » REZINE SB100 is a self cross linking resin which provides high covering.
- » It withstands High pressure and High temperature plating/embossing.
- » Outstanding Wet and Dry Rub Fastness.
- » Excellent print retention for Printed Dry Milled articles and gives very good cut through resistance.
- » Can be used in Base Coats, intermediate coats in finishing of shoe softy, uppers, garments, gloves and milled articles.
- » Excellent light fastness and hence suitable for wet white and pastel colour finishes.
- » Maintains natural look and touch.

Usage :

Recommended 100 to 250 Parts in base coats and intermediate coats.

Note : The product being combination of various raw materials, there are chances of variations in colour and viscosity. The property and application of the product will remain same.
Store within 5°C to 35°C in original pack with tightly closed.

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REZINE S521

Self Cross Linking Micro Resin Binder

Chemical composition	Proprietary acrylic Polymer blend
Appearance	Milky Emulsion
Solids	Approx 32% to 35%
pH 10%	7.0 – 8.0
Charge	Anionic
Film	Medium Soft, Low Tack and Good Light Fastness
Shelf Life	6 months from the date of manufacture

Properties:

- » REZINE S521 is a self-cross-linking Acrylic Resin Binder used for variety of finishing.
- » Provides Soft, Stretchy and Flexible Tough Film with Natural Look.
- » Excellent Adhesion, Anchorage and flexibility with very good cold-crack resistance.
- » Excellent print retention even at higher temperature and long hours milling which is the main criteria for Printed Dry Milled articles.
- » Can be used in Base Coats, intermediate coats in finishing of shoe softy, uppers, garments, gloves and milled articles.
- » Provides High Covering and Excellent fastness and hence suitable for wet white and pastel colour finishes.
- » Excellent heat resistance and hence very much suitable for high temperature plating and embossing.
- » Suitable for Water resistance DIN standard leathers.

Usage :

Recommended Upto 200 parts for corrected grains and Upto 300 Parts for Nappa and garment.

Note : The product being combination of various raw materials, there are chances of variations in colour and viscosity. The property and application of the product will remain same.
Store within 5°C to 35°C in original pack with tightly closed.

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REZINE S820

Self Cross Linking Soft Micro Resin Binder

Chemical composition	Proprietary acrylic Polymer blend
Appearance	Milky Emulsion
Solids	Approx 18% to 20%
pH 10%	7.5 – 8.5
Charge	Anionic
Film	Medium Soft, Low Tack and Good Light Fastness
Shelf Life	6 months from the date of manufacture

Properties:

- » REZINE S820 is a Micro Resin binder used in basecoats for garment and any type of article where light weight and fine grain is needed.
- » Very good adhesion and stretchy film.
- » Excellent cold-crack resistance.
- » Excellent dry milling property.
- » Suitable for aniline articles, nappa and shoe articles where very light covering is preferred.

Usage :

Recommended Upto 120 parts for aniline articles and Upto 150 Parts for softy and uppers.

Note : The product being combination of various raw materials, there are chances of variations in colour and viscosity. The property and application of the product will remain same.
Store within 5°C to 35°C in original pack with tightly closed.

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REZINE RP63

Soft Resin Binder for Embossing articles

Chemical composition	Proprietary Acrylic Co-Polymer
Appearance	Milky Emulsion
Solids	33 to 35%
pH 10%	6.0 – 8.0
Charge	Anionic
Film	Very Soft, Elastic and Continuous

Properties:

- » REZINE RP63 gives clear colourless and flexible film.
- » Provides Stretchy film without break even after milling.
- » Excellent Penetration property
- » Very good cold crack resistance.
- » Outstanding Wet and Dry Rub Fastness.
- » Maintains soft touch and natural look.
- » Can be used in Base Coats, intermediate coats in finishing of shoe softy, uppers, garments, gloves and milled articles.
- » Withstands heavy heat and pressure during embossing operation.

Usage :

Recommended 100 to 300 Parts in base coats and intermediate coats.

Note : The product being combination of various raw materials, there are chances of variations in colour and viscosity. The property and application of the product will remain same.
Store within 5°C to 35°C in original pack with tightly closed.

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REZINE RP95

Fine Particle, Tuff & Flexible Resin Binder

Chemical composition	Proprietary acrylic Co-Polymer blend
Appearance	Milky Emulsion
Solids	35 to 37%
pH 10%	7.0 – 9.0
Charge	Anionic
Film	Fine, Stretchy, Tuff, Heat Resistant

Properties:

- » REZINE RP95 is a low tack Binder with good covering and cold crack resistance.
- » It withstands high pressure and high temperature plating/embossing.
- » Imparts Excellent Adhesion Property.
- » Outstanding Wet and Dry Rub Fastness with low tackiness.
- » Tuff Film with Excellent Plate Release Property.
- » Excellent print retention for Printed Dry Milled articles.
- » Can be used in Base Coats, intermediate coats in finishing of full grain, corrected grain, shoe softy, uppers, Upholstery, garments, gloves and milled articles.
- » Excellent yellowing resistance and light fastness and hence suitable for wet white and pastel colour finishes.

Usage :

Recommended 200 to 300 Parts in base coats and intermediate coats.

Note : The product being combination of various raw materials, there are chances of variations in colour and viscosity. The property and application of the product will remain same.
Store within 5°C to 35°C in original pack with tightly closed.

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REZINE RP1001

Soft & Stretchy Resin Binder

Chemical composition	Proprietary acrylic Co-Polymer blend
Appearance	Milky Emulsion
Solids	35 to 37%
pH 10%	7.5 – 8.5
Charge	Anionic
Film	Soft, Stretchy, Tuff, Heat Resistant and Elastomeric

Properties:

- » REZINE RP1001 is a self-cross linking Binder which provides high covering with flexibility.
- » It withstands high pressure and high temperature plating/embossing.
- » Outstanding Wet and Dry Rub Fastness with low tackiness.
- » Low Tackiness & Excellent Plate Release Property.
- » Excellent print retention for Printed Dry Milled articles.
- » Can be used in Base Coats, intermediate coats in finishing of full grain, corrected grain, shoe softy, uppers, Upholstery, garments, gloves and milled articles.
- » Excellent yellowing resistance and light fastness and hence suitable for wet white and pastel colour finishes.

Usage :

Recommended 2000 to 250 Parts in base coats and intermediate coats.

Note : The product being combination of various raw materials, there are chances of variations in colour and viscosity. The property and application of the product will remain same.
Store within 5°C to 35°C in original pack with tightly closed.

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REZINE RP1005

Soft, Tuff & Flexible Resin Binder

Chemical composition	Proprietary acrylic Co-Polymer blend
Appearance	Milky Emulsion
Solids	35 to 37%
pH 10%	7.0 – 9.0
Charge	Anionic
Film	Soft, , Tuff, Flexible , Heat Resistant and Elastomeric

Properties:

- » REZINE RP1005 is a self cross linking Binder which provides high covering with flexibility .
- » It withstands high pressure and high temperature plating/embossing.
- » Imparts Excellent CUT-THROUGH property in embossing articles
- » Outstanding Wet and Dry Rub Fastness with low tackiness.
- » Low Tackiness & Excellent Plate Release Property.
- » Excellent print retention for Printed Dry Milled articles.
- » Can be used in Base Coats, intermediate coats in finishing of full grain, corrected grain, shoe softy, uppers, Upholstery, garments, gloves and milled articles.
- » Excellent yellowing resistance and light fastness and hence suitable for wet white and pastel colour finishes.

Usage :

Recommended 200 to 250 Parts in base coats and intermediate coats.

Note : The product being combination of various raw materials, there are chances of variations in colour and viscosity. The property and application of the product will remain same.
Store within 5°C to 35°C in original pack with tightly closed.

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ZOIL 891

Nubuck Oil

Chemical composition	Aliphatic Hydrocarbons with natural waxes
Solids	Approx 98%
Appearance	Brown oil
Shelf life	Up to 6 months from the date of manufacture
Dilution	Sparingly soluble in water

Properties and Application :

- » ZOIL 891 is a solvent diluted solution of selected synthetic and natural oils fortified with specialty hydrocarbons to produce good "NUBUCK" effect with GREASY smooth touch on the leather.
- » ZOIL 891 is used on upper, garment and upholstery leathers. The product can be applied by spraying, curtain coating or by roller coating.
- » ZOIL 891 can be diluted with solvents like Cello solve, Butyl Acetate, Butyl Cello solve Acetate, Pure Toluene and Pure Xylene. It is advised not to use mixed solvent as it may affect the nature and usage of the product.

Note : *The product being combination of various raw materials, there are chances of variations in colour and viscosity. The property and application of the product will remain same.
Store within 5°C to 35°C in original pack with tightly closed.*

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ZOIL 892

Nubuck Oil

Chemical composition	Aliphatic Hydrocarbons with natural waxes
Solids	Approx 98%
Appearance	Brown oil
Shelf life	Up to 6 months from the date of manufacture

Properties and Application :

- » ZOIL 892 is a solution of selected natural oils fortified with specialty aliphatic hydrocarbons to produce good "NUBUCK" effect with WAXY, smooth touch on the leather.
- » ZOIL 892 is used on upper, garment and upholstery leathers. The product can be applied by spraying, curtain coating or by roller coating.
- » ZOIL 892 can be diluted with solvents like Cello solve, Butyl Acetate, Butyl Cello solve Acetate, Pure Toluene and Pure Xylene. It is advised not to use mixed low grade solvents as it may affect the property of the product.

Note : The product being combination of various raw materials, there are chances of variations in colour and viscosity. The property and application of the product will remain same.
Store within 5°C to 35°C in original pack with tightly closed.

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ZOIL BK 370

Hunter Finish Blackening Oil

Chemical composition	Hydrocarbon Oil for Darkening Effect
Solids	Approx 98%
Appearance	Black
Shelf life	Up to 6 months from the date of manufacture
Dilution	Insoluble in water

Properties and Application :

- » ZOIL BK 370 is used for HEAVY darkening effect in Hunter article.
- » ZOIL BK 370 withstands high temperature plating without affecting the leather surface.
- » ZOIL BK 370 is normally used undiluted and applied by either roller coaster or by spray without dilution.

Note : *The product being combination of various raw materials, there are chances of variations in colour and viscosity. The property and application of the product will remain same.
Store within 5°C to 35°C in original pack with tightly closed.*

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ZOIL BR150

Hunter Finish Blackening Oil

Chemical composition	Hydrocarbon Oil for Darkening Effect
Solids	Approx 98%
Appearance	Clear to Dark Brown
Shelf life	Up to 6 months from the date of manufacture
Dilution	Insoluble in water

Properties and Application :

- » ZOIL BR150 is used for darkening effect in Hunter article.
- » ZOIL BR150 withstands high temperature plating without affecting the leather surface.
- » ZOIL BR150 is normally used undiluted and applied by either roller coater or by spray without dilution.

Note : *The product being combination of various raw materials, there are chances of variations in colour and viscosity. The property and application of the product will remain same.
Store within 5°C to 35°C in original pack with tightly closed.*

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ZOIL BR750

Hunter Finish Blackening Oil

Chemical composition	Hydrocarbon Oil for Darkening Effect
Solids	Approx 98%
Appearance	Clear to Dark Greenish
Shelf life	Up to 6 months from the date of manufacture
Dilution	Insoluble in water

Properties and Application :

- » ZOIL BR750 is used for darkening effect in Hunter article.
- » ZOIL BR750 withstands high temperature plating without affecting the leather surface.
- » ZOIL BR750 is normally used undiluted and applied by either roller coater or by spray without dilution.

Note : The product being combination of various raw materials, there are chances of variations in colour and viscosity. The property and application of the product will remain same.
Store within 5°C to 35°C in original pack with tightly closed.

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ZSIVIRA

ZOIL 893A

Pullup Oil

Chemical composition	Hydrocarbons with speciality linear compounds and waxes
Solids	Approx 98%
Appearance	Clear to Pale Yellow oil
Shelf life	Up to 6 months from the date of manufacture

Properties and Application :

- » ZOIL 893A is well suitable for oil pull-up finishes where good touch with feel is needed.
- » ZOIL 893A withstands high temperature plating without affecting the leather surface.
- » ZOIL 893A is normally used undiluted and for cost reduction dilution can be made 20% ratio with water and sprayed and can also be roller coated without dilution.

Note : The product being combination of various raw materials, there are chances of variations in colour and viscosity. The property and application of the product will remain same.
Store within 5°C to 35°C in original pack with tightly closed.

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ZOIL CO5 *Pullup Oil*

Chemical composition	Blend of Synthetic fluids
Solids	Approx 98%
Appearance	Pale Yellow slight turbid oil
Shelf life	Up to 6 months from the date of manufacture
Dilution	Insoluble in water

Properties and Application :

ZOIL CO5 is well suitable for oil pull-up finishes where good touch with feel is needed.

ZOIL CO5 withstands high temperature plating without affecting the leather surface.

ZOIL CO5 is normally used undiluted and applied by either roller coater or by spray without dilution.

Note : The product being combination of various raw materials, there are chances of variations in colour and viscosity. The property and application of the product will remain same.
Store within 5°C to 35°C in original pack with tightly closed.

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ZSIVIRA

ZOIL CO9 *Pullup Oil*

Chemical composition	Hydrocarbons with specialty linear compounds and waxes
Solids	Approx 98%
Appearance	Clear to Pale Yellow oil
Shelf life	Up to 6 months from the date of manufacture
Dilution	Insoluble in water

Properties and Application :

- » ZOIL CO9 is well suitable for oil pull-up finishes where good touch with feel is needed.
- » ZOIL CO9 withstands high temperature plating without affecting the leather surface.
- » ZOIL CO9 is normally used undiluted and applied by either roller coater or by spray without dilution.

Note : The product being combination of various raw materials, there are chances of variations in colour and viscosity. The property and application of the product will remain same.
Store within 5°C to 35°C in original pack with tightly closed.

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ZSIWAX 90

Anionic Filler Wax Emulsion

Chemical composition	Based on Synthetic Waxes & Fatty Acid esters
Appearance	Off white to creamish Fluid
Solids	15 to 17%
Charge	Anionic
pH 10%	7.0 – 8.0%
Shelf Life	6 months from the date of manufacture

Application :

- » ZSIWAX 90 provides leather with good filling.
- » Enhances and helps the possibility of high temperature plating.
- » Improves the natural look and has a bouncy touch.
- » Even coating with good covering.
- » Provides elegant optic when used with ZYPRO range of proteins.

Note : The product being combination of various raw materials, there are chances of variations in colour and viscosity. The property and application of the product will remain same.
Store within 5°C to 35°C in original pack with tightly closed.

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ZSIVIRA

ZSIWAX Q80

Anionic Wax Emulsion

Chemical composition	Based on Natural and Synthetic Waxes
Appearance	Off white to creamish Fluid
Solids	14 to 17%
Charge	Anionic
pH 10%	7.0 – 8.0
Shelf Life	6 months from the date of manufacture

Application :

- » ZSIWAX Q80 provides leather with smooth touch.
- » Enhances and helps the possibility of high temperature plating.
- » Improves the aniline look.
- » Provides rich glossy optic when used with ZYPRO range of proteins.

Note : The product being combination of various raw materials, there are chances of variations in colour and viscosity. The property and application of the product will remain same.
Store within 5°C to 35°C in original pack with tightly closed.

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ZSIVIRA

ZSIWAX 08

Season Wax Emulsion

Chemical composition	Based on Synthetic Waxes & Special fillers
Appearance	Off white to creamish Fluid
Solids	18 to 20%
Charge	Anionic
pH 10%	7.0 – 8.0%
Shelf Life	6 months from the date of manufacture

Application :

- » ZSIWAX 08 provides leather with smooth touch.
- » Enhances and helps the possibility of high temperature plating.
- » In season coating it will improve the surface filling.
- » Used in combination with ZYPRO, ZYCRYL & ZYTHANE range of finishing system.

Note : The product being combination of various raw materials, there are chances of variations in colour and viscosity. The property and application of the product will remain same.
Store within 5°C to 35°C in original pack with tightly closed.

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ZSIWAX CT 6199

Cationic Wax Emulsion

Chemical composition	Based on Synthetic Waxes & Cationic Emulsifiers
Appearance	Off white Fluid
Solids	13 to 15%
Charge	Slightly Cationic
pH 10%	4.0 to 6.5
Shelf Life	6 months from the date of manufacture

Application :

- » ZSIWAX CT 6199 is used in sealing of base coats providing soft, smooth and powder touch.
- » It provides natural look on plating/polishing.
- » Can be used as feel modifier whereby it provides silky, powdery touch.
- » Excellent levelling.

Note : The product being combination of various raw materials, there are chances of variations in colour and viscosity. The property and application of the product will remain same.
Store within 5°C to 35°C in original pack with tightly closed.

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ZSIWAX CW18

Carnauba Wax Emulsion

Chemical composition	Based on Carnauba wax blend
Appearance	Pale Greenish Brown Fluid
Solids	22 to 25%
Charge	Anionic
pH 10%	8.0 – 9.0
Shelf Life	6 months from the date of manufacture

Application :

- » ZSIWAX CW18 provides leather with very high gloss and Burnish effect.
- » Enhances and helps the possibility of high temperature plating.
- » Used for special kind of finishes where by a high rich glossy film effect is needed.

Note : The product being combination of various raw materials, there are chances of variations in colour and viscosity. The property and application of the product will remain same.
Store within 5°C to 35°C in original pack with tightly closed.

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ZSIVIRA

ZSIWAX CW19

Blend of Carnauba Wax Emulsion

Chemical composition	Based on Carnauba wax and synthetic waxes
Appearance	Pale Beige Fluid
Solids	16 to 18%
Charge	Anionic
pH 10%	7.0 – 8.5
Shelf Life	6 months from the date of manufacture

Application :

- » ZSIWAX CW19 provides leather with very high and clear gloss and Burnish effect.
- » Enhances and helps the possibility of high temperature plating.
- » Used for special kind of finishes where by a high rich glossy film effect is needed.

Note : The product being combination of various raw materials, there are chances of variations in colour and viscosity. The property and application of the product will remain same.
Store within 5°C to 35°C in original pack with tightly closed.

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ZSIWAX N226M

Nonionic Touch Wax Emulsion

Chemical composition	Blend of Waxes and additives
Appearance	White Paste
Solids	12 % to 15%
pH 10%	6.5 – 7.5%
Charge	Nonionic
Shelf Life	6 months from the date of manufacture

Properties & Application :

- » ZSIWAX N226M is used in various stages of leather finishing from sealing of base coats to top coat.
- » Provides soft, smooth and powder touch.
- » Compatible with anionic & cationic finishing system
- » It provides natural look on plating/polishing.
- » Can be used as feel modifier whereby it provides silky, powdery touch.
- » Excellent levelling.

Note : The product being combination of various raw materials, there are chances of variations in colour and viscosity. The property and application of the product will remain same.
Store within 5°C to 35°C in original pack with tightly closed.

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ZSIVIRA

ZSIWAX 75L

Special Liquid Wax

Chemical composition	Special Liquid waxes in organic media
Appearance	Clear Oil
Solids	100%
Shelf Life	6 months from the date of manufacture

Application :

- » ZSIWAX 75L is used for waxy pull-up finish with slight crunch effect.
- » Capable of high temperature plating.
- » Used for special kind of finishes where by a high rich glossy effect is needed.
- » Can be applied by spray/ roller coater or curtain coater.
- » Can also be used along with ZSIWAX SL3, SL6, 7800.
- » Normally a deposition of 5 to 10 grams per sq ft is suggested. But the decision is to be taken depending on article and under the guidance of our technical experts.

Note : *The product being combination of various raw materials, there are chances of variations in colour and viscosity. The property and application of the product will remain same.
Store within 5°C to 35°C in original pack with tightly closed.*

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ZSIVIRA

ZSIWAX 7800

Roller Coat Wax Solid

Chemical composition	Special waxes with glossy plasticizers
Appearance	White Solid
Solids	100%
Shelf Life	One year from the date of manufacture

Application :

- » ZSIWAX 7800 provides leather with very high gloss and Burnish effect.
- » Enhances and helps the possibility of high temperature plating.
- » Used for special kind of finishes where by a high rich glossy effect is needed.
- » To be melted and roller coated or curtain coated.
- » Recommended to be used along with ZOIL 893A.
- » Normally a deposition of 8 to 15 grams per sq ft is suggested. But the decision is to be taken depending on article and under the guidance of our technical experts.

Note : *The product being combination of various raw materials, there are chances of variations in colour and viscosity. The property and application of the product will remain same.
Store within 5°C to 35°C in original pack with tightly closed.*

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ZSIWAX RWB

Roller Coat Wax Solid

Chemical composition	Blend of Synthetic Waxes & penetrants
Appearance	Off – White Paste
Solids	99%
Shelf Life	One year from the date of manufacture

Application :

- » ZSIWAX RWB provides leather with gloss and Burnish effect.
- » Enhances and helps the possibility of high temperature plating.
- » Used for special kind of finishes where by a high rich glossy film effect is needed.
- » To be melted and roller coated or curtain coated.

Note : The product being combination of various raw materials, there are chances of variations in colour and viscosity. The property and application of the product will remain same.
Store within 5°C to 35°C in original pack with tightly closed.

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ZSIWAX RWC

Roller Coat Wax Solid

Chemical composition	Blend of Synthetic Fluid wax & dispersants
Appearance	Off – White Fluid Paste
Solids	99%
Shelf life	One year from the date of manufacture

Application :

- » ZSIWAX RWC provides leather with good crumble and pull-up effect.
- » Enhances and helps the possibility of high temperature plating.
- » Used for special kind of crazy horse / crunch finishes.
- » To be melted and roller coated or curtain coated.

Note : The product being combination of various raw materials, there are chances of variations in colour and viscosity. The property and application of the product will remain same.
Store within 5°C to 35°C in original pack with tightly closed.

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ZSIVIRA

ZSIWAX RWZ

Roller Coat Wax Solid

Chemical composition	Blend of Synthetic Waxes & penetrants
Appearance	Off – White Paste
Solids	99%
Shelf Life	One year from the date of manufacture

Application :

- » ZSIWAX RWZ provides leather with gloss and Burnish effect.
- » Enhances and helps the possibility of high temperature plating.
- » Used for special kind of finishes where by a high rich glossy film effect is needed.
- » To be melted and roller coated or curtain coated.

Note : The product being combination of various raw materials, there are chances of variations in colour and viscosity. The property and application of the product will remain same.
Store within 5°C to 35°C in original pack with tightly closed.

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ZSIVIRA

ZSIWAX SL6

Roller Coat Wax Solid

Chemical composition	Based on Carnauba and Synthetic Waxes & Special fillers
Appearance	Beige Solid
Solids	99%
Shelf Life	One year from the date of manufacture

Application :

- » ZSIWAX SL6 provides leather with very high gloss and Burnish effect.
- » Enhances and helps the possibility of high temperature plating.
- » Used for special kind of finishes where by a high rich glossy film effect is needed.
- » To be melted and roller coated or curtain coated.

Normally a deposition of 5 to 10 grams per sq ft is suggested. But the decision is to be taken depending on article and under the guidance of our technical experts.

Note : *The product being combination of various raw materials, there are chances of variations in colour and viscosity. The property and application of the product will remain same.
Store within 5°C to 35°C in original pack with tightly closed.*

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ZSIWAX S56

Crunch Wax Emulsion

Chemical composition	Blend of Waxes and hard polymers
Appearance	Milky white dispersion
Solids	30%
pH 10%	8.0 – 8.5%
Charge	Anionic
Shelf Life	6 months from the date of manufacture

Properties :

ZSIWAX S56 produces very hard crunch effect with pull up and darkening effect.

Application:

- » ZSIWAX S56 is generally diluted with water 1:1 ratio.
- » For more darkening effect with smoothness it is recommended to mix ZSIWAX S56 with ZOIL 893A in the ration of 4:1 and then dilute with water in the ratio 1:1.
- » ZSIWAX S56 is compatible with other waxes and water soluble oils.

Note : The product being combination of various raw materials, there are chances of variations in colour and viscosity. The property and application of the product will remain same.
Store within 5°C to 35°C in original pack with tightly closed.

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ZSIWAX BW30

Burnish Wax Emulsion

Chemical composition	Blend of Waxes and additives
Appearance	White Paste
Solids	22 ± 1%
pH 10%	7.0 – 8.0
Charge	Anionic
Light Fastness	Excellent
Shelf Life	6 months from the date of manufacture

Properties & Application :

- » ZSIWAX BW30 provides very good burnishing effect on rubbing.
- » Exhibits goods waxy touch.

Usage:

For Burnish effect: 100 Parts ZSIWAX BW30 + 200 Parts Water. Mix well and spray two cross coats.

Dry well. Polish or plate at 60°C to 70°C

Note : *The product being combination of various raw materials, there are chances of variations in colour and viscosity. The property and application of the product will remain same.
Store within 5°C to 35°C in original pack with tightly closed.*

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ZSIWAX BW50

White Wax Emulsion

Chemical composition	Blend of Waxes and whitening agents
Appearance	White Paste
pH 10%	5.0 – 6.0
Charge	Anionic
Light Fastness	Excellent
Shelf Life	6 months from the date of manufacture

Properties & Application:

- » ZSIWAX BW50 provides very good whitening effect and also burnishing effect on rubbing.
- » Exhibits goods waxy touch.

Usage:

For Burnish effect: 100 Parts ZSIWAX BW50 + 200 Parts Water. Mix well and spray two cross coats.

Dry well. Polish or plate at 60°C to 70°C

Note: *The product being combination of various raw materials, there are chances of variations in colour and viscosity. The property and application of the product will remain same.
Store within 5°C to 35°C in original pack with tightly closed.*

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ZSIVIRA

ZSIFILL – D

Covering Filler

Chemical composition	Filler Compounds
Appearance	Creamish Paste
Solids	22 to 25%
Charge	Anionic
pH 10%	7.0 – 8.0%
Shelf Life	6 months from the date of manufacture

Application :

- » ZSIFILL- D is a special product suitable for finishing a variety of leathers.
- » Enhances the covering property of the finish solution without over loading the grain.
- » Fills the defects and enhances the upgradation and improves the selection and cutting value of heavy defective leathers.
- » Best for snuffed leather articles and splits.
- » ZSIFILL- D suppress the glossy character of the finish and thereby camouflages the defect.
- » Acts as anti – sticking agent during piling of leather.

Usage :

Normally 50 parts of ZSIFILL-D per litre of season along with ZYTHANE E99 is suggested.

Note : The product being combination of various raw materials, there are chances of variations in colour and viscosity. The property and application of the product will remain same.
Store within 5°C to 35°C in original pack with tightly closed.

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ZSIVIRA

ZSIFILL - M

Covering Filler

Chemical composition	Organic & Inorganic Filler Compounds
Appearance	Creamish Paste
Solids	22 to 25%
Charge	Anionic
pH 10%	7.0 – 8.0
Shelf Life	6 months from the date of manufacture

Application :

- » ZSIFILL- M is a special product suitable for finishing a variety of leathers.
- » Enhances the covering property of the finish solution without over loading the grain.
- » Fills the defects and enhances the upgradation and improves the selection and cutting value of heavy defective leathers.
- » Best for snuffed leather articles and splits.
- » ZSIFILL- M suppress the glossy character of the finish and thereby camouflages the defect.

Usage :

Normally 60 parts of ZSIFILL-M per litre of season along with ZYTHANE E99 is suggested.

Note : The product being combination of various raw materials, there are chances of variations in colour and viscosity. The property and application of the product will remain same.
Store within 5°C to 35°C in original pack with tightly closed.

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ZSIVIRA

ZTUKO CK

Stucco Paste

Chemical composition	Blend of Microspheres with PU
Appearance	White Paste
Solids	25 ± 1%
pH 10%	8.5 – 9.5
Shelf Life	6 months from the date of manufacture

Properties & Application:

- » ZTUKO CK is used for the upgradation by way of defects covering.
- » It is applied on the leather with blunt knife or spatula are left for 10-12 hours to dry.
- » Leather treater with ZTUKO CK are hair cell plated to 90°C and snuffed before proceeding for further finishing process.
- » Effectively fills the defects on the leather.

Note: The product being combination of various raw materials, there are chances of variations in colour and viscosity. The property and application of the product will remain same.
Store within 5°C to 35°C in original pack with tightly closed.

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ZSIVIRA

ZYPRO 806

Waxy Casein Binder

Chemical composition	Casein, waxes and oils
Appearance	Pale Yellowish Fluid
Solids	10 to 12%
Charge	Anionic
pH 10%	7.5 – 8.0%
Shelf Life	6 months from the date of manufacture

Properties :

- » ZYPRO 806 is mainly used for glazed and polishable base coats.
- » ZYPRO 806 gives very soft touch with smooth even covering.
- » ZYPRO 806 can be used in combination with ZYPRO PA25 to get the desired gloss and hardness.

Usage :

50 to 100 gms per liter in polishing ground coat

Note : The product being combination of various raw materials, there are chances of variations in colour and viscosity. The property and application of the product will remain same.
Store within 5°C to 35°C in original pack with tightly closed.

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ZYPRO 808

Soft Protein Binder

Chemical composition	Protein Binder
Appearance	Pale creamish Fluid
Solids	10 to 12%
Charge	Anionic
pH 10%	7.5 – 8.0
Shelf Life	6 months from the date of manufacture

Application :

- » ZYPRO 808 is a non-thermoplastic soft binder used for glaze and polished finish.
- » ZYPRO 808 provides leather with smooth, natural and soft finish.
- » ZYPRO 808 in combination with ZSIWAX 90 or ZSIWAX 90 provides very soft and glossy finish with natural look.

Note : The product being combination of various raw materials, there are chances of variations in colour and viscosity. The property and application of the product will remain same.
Store within 5°C to 35°C in original pack with tightly closed.

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ZYPRO CT 4080

Cationic Protein Binder

Chemical composition	Cationic Casein
Appearance	Pale Translucent Fluid
Solids	5.5 to 7.0%
Charge	Cationic
pH 10%	2.5 – 3.5
Shelf Life	6 months from the date of manufacture

Properties :

- » ZYPRO CT 4080 is a medium hard film-forming cationic casein binder used for cationic base coat for all type of articles.
- » ZYPRO CT 4080 can be used in other cationic PU and Resin mixtures to reduce tackiness of the finish.
- » ZYPRO CT 4080 provides leather with clear covering and bright aniline look.

Note : The product being combination of various raw materials, there are chances of variations in colour and viscosity. The property and application of the product will remain same.
Store within 5°C to 35°C in original pack with tightly closed.

The above information on application on leather is given in accordance to the best of our knowledge and our lab applications. As the usage of the product by the consumer is not under our control, we are not liable for any sort of claims or reimbursements. The product is given without any guarantee/warranty in connection to end use.

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ZYPRO DC15

Modified Casein for Dust Coat

Chemical composition	Modified Casein
Appearance	Pale Yellowish Fluid
Solids	12 to 15%
Charge	Anionic
pH 10%	5.5 – 7.0
Shelf Life	6 months from the date of manufacture

Properties :

- » ZYPRO DC15 is mainly used for dust coats.
- » ZYPRO DC15 gives very Medium soft touch with good anchoring.

Note : The product being combination of various raw materials, there are chances of variations in colour and viscosity. The property and application of the product will remain same.
Store within 5°C to 35°C in original pack with tightly closed.

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ZYPRO M8

Waxy Protein

Chemical composition	Casein, waxes and oils
Appearance	Pale Yellowish Fluid
Solids	23 to 25%
Charge	Anionic
pH 10%	7.5 – 8.0%
Shelf Life	6 months from the date of manufacture

Properties :

- » ZYPRO M8 is mainly used for smooth classic finishes which is subsequently fixed by ZEPROFIX RXN.
- » ZYPRO M8 provides covering with waxy handle.
- » ZYPRO M8 can be used in combination with usual anionic finishing products.

Note : The product being combination of various raw materials, there are chances of variations in colour and viscosity. The property and application of the product will remain same.
Store within 5°C to 35°C in original pack with tightly closed.

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ZYPRO M10

Waxy Protein

Chemical composition	Modified Ultra refined Casein
Appearance	Pale Yellowish Fluid
Solids	23 to 25%
Charge	Anionic
pH 10%	7.0 – 8.0
Shelf Life	6 months from the date of manufacture

Properties:

- » ZYPRO M10 is mainly used for gloss classic finishes which is subsequently fixed by ZEPROFIX RXN.
- » ZYPRO M10 provides good covering with smooth handle.
- » ZYPRO M10 can be used in combination with usual anionic finishing products.

Note: The product being combination of various raw materials, there are chances of variations in colour and viscosity. The property and application of the product will remain same.
Store within 5°C to 35°C in original pack with tightly closed.

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ZYPRO M20

Waxy Protein

Chemical composition	Modified Ultra refined Casein with fatty acid esters
Appearance	Pale Yellowish Fluid
Solids	23 to 25%
Charge	Anionic
pH 10%	7.0 – 8.0
Shelf Life	6 months from the date of manufacture

Properties :

- » ZYPRO M20 is mainly used for glossy & classic finishes which is subsequently fixed by ZEPROFIX RXN.
- » ZYPRO M20 provides good covering with soft waxy handle.
- » ZYPRO M20 can be used in combination with usual anionic finishing products.

Note : The product being combination of various raw materials, there are chances of variations in colour and viscosity. The property and application of the product will remain same.
Store within 5°C to 35°C in original pack with tightly closed.

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ZYPRO M86

Waxy Casein Binder

Chemical composition	Casein, waxes and plasticizing oils
Appearance	Pale Yellowish Fluid
Solids	15 ± 2%
Charge	Anionic
pH 10%	7.0 – 8.0%
Shelf Life	6 months from the date of manufacturing

Properties :

- » ZYPRO M86 is mainly used for polishable base coats.
- » ZYPRO M86 gives very soft touch with smooth even covering.
- » ZYPRO M86 can be used in combination with ZYPRO PA25 to get the desired gloss and hardness.
- » ZYPRO M86 is used in variety of classic finish articles in garments and shoes.

Usage :

50 to 100 gms per liter in polishing ground coat

Note : The product being combination of various raw materials, there are chances of variations in colour and viscosity. The property and application of the product will remain same.
Store within 5°C to 35°C in original pack with tightly closed.

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ZYPRO M810

Waxy Protein

Chemical composition	Casein, waxes and oils
Appearance	Pale YellowishFluid
Solids	23 to 25%
Charge	Anionic
pH 10%	7.0 – 7.5
Shelf Life	6 months from the date of manufacture

Properties :

- » ZYPRO M810 is mainly used for smooth classic finishes which is subsequently fixed by ZEPROFIX RXN.
- » ZYPRO M810 provides covering with waxy handle.
- » ZYPRO M810 can be used in combination with usual anionic finishing products.

Note : The product being combination of various raw materials, there are chances of variations in colour and viscosity. The property and application of the product will remain same.
Store within 5°C to 35°C in original pack with tightly closed.

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ZYPRO PA24

Polyamide Protein

Chemical composition	Polyamide
Appearance	Pale Yellowish Fluid
Solids	18 to 20%
Charge	Anionic
pH 10%	7.5 – 8.0
Shelf Life	6 months from the date of manufacture

Properties :

- » ZYPRO PA24 is mainly used for glazed and plated finishes which is subsequently fixed by ZEPROFIX RXN.
- » ZYPRO PA24 provides smooth finish with stretchable film.
- » ZYPRO PA 24 can be used in combination with usual anionic finishing products.

Note : *The product being combination of various raw materials, there are chances of variations in colour and viscosity. The property and application of the product will remain same.
Store within 5°C to 35°C in original pack with tightly closed.*

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ZYPRO PA25

Polyamide Protein

Chemical composition	Casein, waxes and oils
Appearance	Pale Yellowish Fluid
Solids	23 to 25%
Charge	Anionic
pH 10%	7.5 – 8.0%
Shelf Life	6 months from the date of manufacture

Properties :

- » ZYPRO PA 25 is mainly used for glazed and plated finishes which is subsequently fixed by ZEPROFIX RXN.
- » ZYPRO PA25 provides medium hard glossy film with smoothness.
- » ZYPRO PA 25 can be used in combination with usual anionic finishing products.

Note : The product being combination of various raw materials, there are chances of variations in colour and viscosity. The property and application of the product will remain same.
Store within 5°C to 35°C in original pack with tightly closed.

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ZYPRO CLASSIC PA30

Polyamide Protein

Chemical composition	Modified Amino Protein
Appearance	Pale Yellowish Fluid
Solids	22 to 24%
Charge	Anionic
pH 10%	7.5 – 8.0
Shelf Life	6 months from the date of manufacture

Properties :

- » ZYPRO CLASSIC PA30 is mainly used for classic finish articles, which is subsequently fixed by ZEPROFIX RXN.
- » ZYPRO CLASSIC PA30 provides medium hard glossy film with smoothness.
- » ZYPRO CLASSIC PA 30 can be used in combination with usual anionic finishing products.

Note : The product being combination of various raw materials, there are chances of variations in colour and viscosity. The property and application of the product will remain same.
Store within 5°C to 35°C in original pack with tightly closed.

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ZYTHANE A28

Aliphatic Polyurethane Dispersion

Chemical composition	Polyurethane
Appearance	Milky Emulsion
Solids	30 ± 1%
Charge	Anionic
pH 10%	7.5 – 8.5%
Film Character	Medium Soft, Elastic and Tough
Shelf Life	6 months from the date of manufacture

Properties & Application :

- » ZYTHANE A28 is VOC FREE. Low tack PU dispersion.
- » Provides Excellent cold crack, abrasion and scuff resistance.
- » Provides Excellent Filling and Sealing of the leather surface without loading the grain.
- » Excellent Light Fastness.
- » Compatible with variety of acrylics, butadienes, cross linkers and other finishing auxiliaries.
- » Very Good Milling Properties.

Note : *The product being combination of various raw materials, there are chances of variations in colour and viscosity. The property and application of the product will remain same.
Store within 5°C to 35°C in original pack with tightly closed.*

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ZYTHANE A88

Aliphatic Polyurethane Dispersion

Chemical composition	Polyurethane
Appearance	Milky Emulsion
Solids	30 ± 1%
Charge	Anionic
pH 10%	7.5 – 8.5%
Film Character	Medium Soft, Elastic and Tough
Shelf Life	6 months from the date of manufacture

Properties & Application :

- » ZYTHANE A88 is VOC FREE. Low tack PU dispersion.
- » Provides Excellent cold crack, abrasion and scuff resistance.
- » Can be used for all types of Full Grain and CG Leathers.
- » Excellent Light Fastness and hence suitable for Furniture/automotive upholstery.
- » Compatible with variety of acrylics, butadienes, cross linkers and other finishing auxiliaries.

Note : The product being combination of various raw materials, there are chances of variations in colour and viscosity. The property and application of the product will remain same.
Store within 5°C to 35°C in original pack with tightly closed.

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ZYTHANE E90

Aliphatic Polyurethane Dispersion

Chemical composition	Polyurethane
Appearance	Milky Emulsion
Solids	32 ± 1%
Charge	Anionic
pH 10%	7.0 – 8.0%
Film Character	Medium Soft, Flexible and Tough
Shelf Life	6 months from the date of manufacturing

Properties & Application:

- » ZYTHANE E90 is an all-in-all usage PU which is suitable for almost all types of finishes.
- » Provides Excellent cold crack, abrasion and scuff resistance.
- » Excellent anchorage of pigment.
- » Compatible with variety of acrylics, butadiene and other finishing auxiliaries.
- » Very good dry milling properties.

Note: The product being combination of various raw materials, there are chances of variations in colour and viscosity. The property and application of the product will remain same.
Store within 5°C to 35°C in original pack with tightly closed.

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ZYTHANE E91

Aliphatic Polyurethane Dispersion

Chemical composition	Polyurethane
Appearance	Milky Emulsion
Solids	35 ± 1%
Charge	Anionic
pH 10%	7.5 – 8.5%
Film Character	Medium Soft, Flexible and Tough
Shelf Life	6 months from the date of manufacture

Properties & Application :

- » ZYTHANE E91 is an all-in-all usage PU which is suitable for almost all types of finishes.
- » Provides Excellent cold crack, abrasion and scuff resistance.
- » Excellent anchorage of pigment.
- » Compatible with variety of acrylics, butadiene and other finishing auxiliaries.
- » Very good dry milling properties.

Note : The product being combination of various raw materials, there are chances of variations in colour and viscosity. The property and application of the product will remain same.
Store within 5°C to 35°C in original pack with tightly closed.

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ZYTHANE E92

Aliphatic Polyurethane Dispersion

Chemical composition	Polyurethane
Appearance	Milky Emulsion
Solids	30 ± 1%
Charge	Anionic
pH 10%	7.0 – 8.0%
Film Character	Medium Soft, Flexible and Tough
Shelf Life	6 months from the date of manufacture

Properties & Application :

- » ZYTHANE E92 is an all-in-all usage PU which is suitable for almost all types of finishes.
- » Provides very good cold crack, abrasion and scuff resistance.
- » Excellent anchorage of pigment.
- » Compatible with variety of acrylics, butadiene and other finishing auxiliaries.
- » Very good dry milling properties.

Note : *The product being combination of various raw materials, there are chances of variations in colour and viscosity. The property and application of the product will remain same.
Store within 5°C to 35°C in original pack with tightly closed.*

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ZYTHANE E310

Microfine Polyurethane Dispersion

Chemical composition	Polyurethane
Appearance	Milky Emulsion
Solids	22 ± 2%
Charge	Anionic
pH 10%	7.5 – 8.5%
Film Character	Non-Film forming, Medium Hard
Shelf Life	6 months from the date of manufacture

Properties & Application :

- » ZYTHANE E310 is a microfine PU which is suitable for almost all types of finishes which needs natural look.
- » Provides good supporting anchorage to the finish.
- » Compatible with variety of acrylics, butadiene and other finishing auxiliaries.

Usage :

In season mixture along with acrylics and compacts for about 50 to 100 grams per liter depending upon requirement.

Note : *The product being combination of various raw materials, there are chances of variations in colour and viscosity. The property and application of the product will remain same.
Store within 5°C to 35°C in original pack with tightly closed.*

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ZYTHANE E99

Aromatic Polyurethane Dispersion

Chemical composition	Polyurethane
Appearance	Milky Emulsion
Solids	18 ± 1%
Charge	Anionic
pH 10%	7.5 – 8.5
Film Character	Thin, Transparent and Stretchy
Shelf Life	6 months from the date of manufacture

Properties & Application:

- » ZYTHANE E99 provides a very thin, micro-fine film.
- » Does not load the grain due to its homogeneous form.
- » Provides Natural feel and softness.
- » Excellent covering with very good adhesion and anchorage
- » Not recommended for white and pastel shades.
- » Compatible with cross linkers.

Note: The product being combination of various raw materials, there are chances of variations in colour and viscosity. The property and application of the product will remain same.
Store within 5°C to 35°C in original pack with tightly closed.

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ZYTHANE E100

Aromatic Polyurethane Dispersion

Chemical composition	Polyurethane
Appearance	Milky Emulsion
Solids	15 ± 1%
Charge	Anionic
pH 10%	7.0 – 8.0%
Film Character	Thin, Transparent and Stretchy

Properties & Application :

- » ZYTHANE E100 provides a very thin, micro-fine film.
- » Does not load the grain due to its homogeneous form.
- » Provides Natural feel.
- » Good covering with very good adhesion and anchorage
- » Not recommended for white and pastel shades.
- » Compatible with cross linkers.

Note : *The product being combination of various raw materials, there are chances of variations in colour and viscosity. The property and application of the product will remain same.
Store within 5°C to 35°C in original pack with tightly closed.*

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ZYTHANE KT 4

Cationic Polyurethane Dispersion

Chemical composition	Aliphatic Polyurethane
Appearance	Translucent
Solids	22 ± 1%
Charge	Cationic
pH 10%	5.5 – 6.0%
Film Character	Transparent, High Elastic, Low tack and Medium gloss
Shelf Life	6 months from the date of manufacture

Properties & Application :

- » ZYTHANE KT4 provides very soft and stretchy film coat with natural and good feel.
- » Provides Excellent cold crack, abrasion and scuff resistance.
- » Used as main binder in the cationic season.
- » Excellent light fastness.
- » Compatible with Cationic acrylics, proteins and other Cationic general auxiliaries including cross linkers.

Note : The product being combination of various raw materials, there are chances of variations in colour and viscosity. The property and application of the product will remain same.
Store within 5°C to 35°C in original pack with tightly closed.

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ZYTHANE N11

Nonionic Polyurethane Dispersion

Chemical composition	Polyurethane
Appearance	Clear Liquid
Solids	25 ± 1%
Charge	Anionic
pH 10%	6.0 – 7.5%
Film Character	Medium Soft, Flexible and Tough
Shelf Life	6 months from the date of manufacture

Properties & Application:

- » ZYTHANE N11 is multifunctional usage PU which is suitable for almost all types of finishes.
- » Provides Excellent cold crack, abrasion and scuff resistance.
- » Excellent anchorage of pigment.
- » Compatible with most cationic, anionic acrylics, Pigments, lacquers, dye solutions, butadiene, cross linkers, fixing agents and most other finishing auxiliaries.
- » Very good dry milling properties.
- » Provides smooth touch with rich look.

Usage:

To be consulted with our technical experts as usage may vary depending upon article to article.

Note: The product being combination of various raw materials, there are chances of variations in colour and viscosity. The property and application of the product will remain same.
Store within 5°C to 35°C in original pack with tightly closed.

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ZYTHANE PT11

High Gloss Aliphatic Polyurethane Dispersion

Chemical composition	Polyurethane
Appearance	Milky Emulsion
Solids	35 ± 1%
Charge	Anionic
pH 10%	8.0 – 8.5%
Film Character	Transparent, Flexible and Tough
Shelf Life	6 months from the date of manufacture

Properties & Application :

- » ZYTHANE PT11 produces High Gloss film with “Patent Look”.
- » Provides Excellent cold crack, abrasion and scuff resistance.
- » Provides smooth and high clarity surface.
- » Excellent Light Fastness.
- » Compatible with variety of acrylics, butadienes, cross linkers and other finishing auxiliaries.

Note : The product being combination of various raw materials, there are chances of variations in colour and viscosity. The property and application of the product will remain same.
Store within 5°C to 35°C in original pack with tightly closed.

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ZYTHANE S85G

Aliphatic Glossy Polyurethane Dispersion

Chemical composition	Polyurethane
Appearance	Milky Emulsion
Solids	22 ± 1%
Charge	Anionic
pH 10%	9.0 – 9.5%
Film Character	Glossy
Shelf Life	6 months from the date of manufacture

Properties & Application :

- » ZYTHANE S85G is used for top coats to provide tough and flexible film with gloss.
- » Provides Excellent cold crack, abrasion and scuff resistance.
- » Excellent Light Fastness.
- » Can be blended with other PUs to get the required touch and optique.
- » Compatible with acrylics, proteins and other general auxiliaries including cross linkers.

Note : *The product being combination of various raw materials, there are chances of variations in colour and viscosity. The property and application of the product will remain same.
Store within 5°C to 35°C in original pack with tightly closed.*

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ZYTHANE S85M

Aliphatic Matt Polyurethane Dispersion

Chemical composition	Matting agents with Polyurethane
Appearance	Milky Emulsion
Solids	24 ± 1%
Charge	Anionic
pH 10%	9.0 – 9.5%
Film Character	Matt
Shelf Life	6 months from the date of manufacture

Properties & Application:

- » ZYTHANE S85M is used for top coats to provide tough and flexible film with Natural look.
- » Provides Excellent cold crack, abrasion and scuff resistance.
- » Excellent Light Fastness.
- » Can be blended with other PUs to get the required touch and optique.
- » Compatible with acrylics, proteins and other general auxiliaries including cross linkers.

Note: *The product being combination of various raw materials, there are chances of variations in colour and viscosity. The property and application of the product will remain same.*

Store within 5°C to 35°C in original pack with tightly closed.

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ZSIVIRA

ZSIVILAC EC97 High Shine Lacquer

Chemical composition	Nitrocellulose with solvent
Appearance	Clear Oil
Solids	Approx 24 %
Film Character	High gloss, Stretch and clear
Storage	Up to 6 months from date of manufacture

Properties and Application :

- » ZSIVILAC EC97 is a high shine thinner soluble lacquer based on Nitrocellulose incorporated with special additives to give waxy, bouncy touch.
- » ZSIVILAC EC97 is used as top coat to give clear, glossy, stretchy film with waxy and bouncy touch.
- » ZSIVILAC EC97 does not probate grain harshness.
- » ZSIVILAC EC97 with stands both very high and very low temperatures. ZSIVILAC EC97 does not cause blushing even In temperatures below zero degrees due to high grade raw materials used.
- » Normally used in dilution with thinner with 1:1 to 1:2 ratios. It is recommended to use only virgin thinners as mixed thinners or low grade thinners will disable the property of the product.

Note : The product being combination of various raw materials, there are chances of variations in colour and viscosity. The property and application of the product will remain same.
Store within 5°C to 35°C in original pack with tightly closed.

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ZSIVIRA

ZSIVILAC ECS

High Shine Dual Lacquer

Chemical composition	Nitrocellulose with solvent and emulsifiers
Appearance	Clear Oil
Solids	Approx 24 %
Film Character	High gloss, Stretch and clear
Storage	Up to 6 months from date of manufacture

Properties and Application :

- » ZSIVILAC ECS is a high shine dual lacquer based on Nitrocellulose, soluble in both solvent and water. It produces soft glossy film and does not probate grain harshness.
- » ZSIVILAC ECS withstands both high temperature and very low temperature and also doesn't cause blushing even at temperatures below zero degree which is the added advantage due to the high grade raw materials used.
- » ZSIVILAC ECS shall be diluted upto two times of its weight with water or solvent/ thinner on "OIL IN WATER" type depending upon the gloss required. It is not adviceable to use mixed low grade solvent/ thinner as it will affect the nature of the product and its usage and may cause coagulation during dilution.

Note : *The product being combination of various raw materials, there are chances of variations in colour and viscosity. The property and application of the product will remain same.
Store within 5°C to 35°C in original pack with tightly closed.*

The above information on application on leather is given in accordance to the best of our knowledge and our lab applications. As the usage of the product by the consumer is not under our control, we are not liable for any sort of claims or reimbursements. The product is given without any guarantee/warranty in connection to end use.

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ZSIVIRA

ZSIVILAC MATT 5

Matt Lacquer

Chemical composition	Nitrocellulose in emulsion form
Appearance	Milky white dispersion
Solids	18 to 20%
Film Character	Matt and Stretchy
Storage	Up to 6 months from date of manufacture

Properties and Application :

- » ZSIVILAC MATT 5 is a MATT emulsion lacquer based on Nitrocellulose.
- » ZSIVILAC MATT 5 is used as top coat to give clear, Matt & stretchy film.
- » ZSIVILAC MATT 5 does not probate grain harshness.
- » ZSIVILAC MATT 5 with stands both very high and very low temperatures. ZSIVILAC MATT5 does not cause blushing even in temperatures below zero degrees due to high grade raw materials used.
- » ZSIVILAC MATT 5 camouflages the defects and will not highlight the defects.
- » ZSIVILAC MATT 5 is normally used in dilution ration of 1:1 with water.

Note : *The product being combination of various raw materials, there are chances of variations in colour and viscosity. The property and application of the product will remain same.
Store within 5°C to 35°C in original pack with tightly closed.*

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ZSIVIRA

ZSIVILAC MS02

Medium Shine Lacquer

Chemical composition	Nitrocellulose Emulsion
Appearance	Milky Emulsion
Solids	18 to 19%
Film Character	Medium gloss, Stretch and clear
Storage	Up to 6 months from date of manufacture

Properties and Application :

- » ZSIVILAC MS02 is a medium shine emulsion lacquer based on Nitrocellulose.
- » ZSIVILAC MS02 is used as top coat to give clear, Medium glossy, stretchy film.
- » ZSIVILAC MS02 does not probate grain harshness.
- » ZSIVILAC MS02 with stands both very high and very low temperatures.
- » ZSIVILAC MS02 does not cause blushing even in temperatures below zero degrees due to high grade raw materials used.
- » ZSIVILAC MS02 withstands milling for long hours without film break.
- » ZSIVILAC MS02 is normally used in dilution ration of 1:1 with water.

Note : *The product being combination of various raw materials, there are chances of variations in colour and viscosity. The property and application of the product will remain same.
Store within 5°C to 35°C in original pack with tightly closed.*

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ZSIVIRA

ZSIVILAC MS100 Medium Shine Lacquer

Chemical composition	Nitrocellulose in emulsion form
Appearance	Milky white dispersion
Solids	17 to 19%
Film Character	Medium gloss, Stretch and clear
Storage	Up to 6 months from date of manufacture

Properties and Application :

- » ZSIVILAC MS100 is a medium shine emulsion lacquer based on Nitrocellulose.
- » ZSIVILAC MS100 is used as top coat to give clear, Medium glossy, stretchy film.
- » ZSIVILAC MS100 does not probate grain harshness.
- » ZSIVILAC MS100 with stands both very high and very low temperatures.
- » ZSIVILAC MS100 does not cause blushing even in temperatures below zero degrees due to high grade raw materials used.
- » ZSIVILAC MS100 withstands milling for long hours without film break.
- » ZSIVILAC MS100 is normally used in dilution ration of 1:1 with water.

Note : The product being combination of various raw materials, there are chances of variations in colour and viscosity. The property and application of the product will remain same.
Store within 5°C to 35°C in original pack with tightly closed.

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ZSIVIRA

ZSIVILAC SM964

Silky Lacquer

Chemical composition	Nitrocellulose in emulsion form
Appearance	Milky white dispersion
Solids	16 to 18%
Film Character	Medium gloss, Stretch and clear
Storage	Up to 6 months from date of manufacture

Properties and Application :

- » ZSIVILAC SM964 provides leather with very much silky touch.
- » ZSIVILAC SM964 produces medium shine to dull film on the leather.
- » ZSIVILAC SM964 is used as top coat for drum dyed articles where slippery touch with very little shine is needed.
- » ZSIVILAC SM964 withstands tape test.
- » ZSIVILAC SM964 is normally used in dilution ration of 1:1 with water.

Note : The product being combination of various raw materials, there are chances of variations in colour and viscosity. The property and application of the product will remain same.
Store within 5°C to 35°C in original pack with tightly closed.

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ZSIVIRA

SLIPON 30

Feel Modifier

Chemical composition	Emulsion of Polysiloxane
Activity	30 %
Appearance	Pale White free flowing Liquid
pH - value 1 : 10	5.5 – 6.0%
Charge	Nonionic
Shelf life	Up to 6 months from the date of manufacture

Properties and Application :

- » SLIPON 30 is used as top coat for feel Modifying
- » SLIPON 30 is a special Polysiloxane which is used to get beautiful silky touch over the leather.
- » It provides natural glossy appearance.
- » Good wet fastness and withstands tape test.

Usage Quantities:

SLIPON 30 is by diluting 10 to 20 gms of SLIPON 30 in one ltr of water.

Usage quantity may vary depending upon the required touch and feel.

**Note : The product being combination of various raw materials, there are chances of variations in colour and viscosity. The property and application of the product will remain same.
Store within 5°C to 35°C in original pack with tightly closed.**

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ZSIVIRA

SLIPON 40

Feel Modifier

Chemical composition	Emulsion of Polysiloxane
Activity	8 %
Appearance	Pale White free flowing Liquid
pH - value 1 : 10%	6.5 – 7.0%
Charge	Anionic
Shelf life	Up to 6 months from the date of manufacture

Properties and Application :

- » SLIPON 40 is used as top coat along with feel modifiers and waxes for best touch.
- » It provides natural glossy appearance.
- » Good wet fastness and withstands tape test.

Usage Quantities:

In Top Coats: 10 to 20 grams per litre of water along with lacquer.

In Feel Coat: 120 to 150 grams per litre of water.

Note : *The product being combination of various raw materials, there are chances of variations in colour and viscosity. The property and application of the product will remain same.
Store within 5°C to 35°C in original pack with tightly closed.*

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ZSIVIRA

SLIPON 50 (Feel Modifier)

Chemical composition	Emulsion of Polysiloxane
Activity	18 %
Appearance	Pale White free flowing Liquid
pH - value 1 : 10%	6.5 – 7.0%
Charge	Anionic
Shelf life	Up to 1 year at temperatures between 5 and 40° C.

Properties and Application :

- » SLIPON 50 is used as top coat along as a single product or in combination with Slipon 30.
- » It provides natural feel.
- » Good wet fastness and withstands tape test.

Usage Quantities:

In Top Coats: 10 to 30 grams per litre of water along with lacquer.

In Feel Coat: 100 to 120 grams per litre of water.

Note : *The product being combination of various raw materials, there are chances of variations in colour and viscosity. The property and application of the product will remain same.
Store within 5°C to 35°C in original pack with tightly closed.*

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SLIPON 60

Feel Modifier

Chemical composition	Emulsion of Polysiloxane with softeners
Activity	18 %
Appearance	Ultra Translucent Liquid
pH - value 1 : 10%	6.0 – 7.0%
Charge	Anionic
Shelf life	Up to 10 months from the date of manufacture.

Properties and Application :

- » SLIPON 60 is used as top coat along with feel modifiers and softeners for silky touch.
- » It provides natural glossy appearance.
- » Good wet fastness and withstands tape test.

Usage Quantities:

In Top Coats: 10 to 20 grams per litre of water along with lacquer.

In Feel Coat: 120 to 150 grams per litre of water.

Note : *The product being combination of various raw materials, there are chances of variations in colour and viscosity. The property and application of the product will remain same.
Store within 5°C to 35°C in original pack with tightly closed.*

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SLIPON 70 (Feel Modifier)

Chemical composition	Emulsion of Waxy Polysiloxane
Activity	16 %
Appearance	Pale White free flowing Liquid
pH - value 1:10%	6.0 – 7.0%
Charge	Anionic
Shelf life	Up to 1 year at temperatures between 5 and 40° C.

Properties and Application :

- » SLIPON 70 is used as top coat either alone or along with waxes for best touch.
- » It provides natural glossy appearance.
- » Good wet fastness and withstands tape test.

Usage Quantities:

In Top Coats : 10 to 20 grams per litre of water along with lacquer.

In Feel Coats : 120 to 150 grams per litre of water.

Note : The product being combination of various raw materials, there are chances of variations in colour and viscosity. The property and application of the product will remain same.
Store within 5°C to 35°C in original pack with tightly closed.

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PENETRATOR BI *(Penetrating Agent for leather finishing)*

Chemical composition	Blend of Organic Solvents with anionic emulsifiers in aqueous medium
Appearance	Pale to Clear Liquid
Shelf life	Up to 6 months at temperatures between 5 and 40° C.
Dilution	Soluble in water

Properties and Application :

- » PENETRATOR BI is used for speeding the penetration of finish compositions to have clarity and uniformity in finishing optic.
- » Reduces the particle size to get the finishing composition to be freely sprayable to attain uniformity in finish.
- » Does not affect the nature of the finishing chemicals and compositions.

Note : *The product being combination of various raw materials, there are chances of variations in colour and viscosity. The property and application of the product will remain same.
Store within 5°C to 35°C in original pack with tightly closed.*

The above information on application on leather is given in accordance to the best of our knowledge and our lab applications. As the usage of the product by the consumer is not under our control, we are not liable for any sort of claims or reimbursements. The product is given without any guarantee/warranty in connection to end use.

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PENETRATOR BCA (Penetrating Agent for leather finishing)

Chemical composition	Selected Organic Solvents in aqueous medium
Appearance	Pale to Clear Liquid
Shelf life	Up to 6 months at temperatures between 5 and 40° C.
Dilution	Soluble in water

Properties and Application :

- » PENETRATOR BCA is highly penetrative and is used to drive the finish compositions inside the leather.
- » Helps to have clarity and uniformity in finishing optic.
- » Reduces the particle size to get the finishing composition to be freely sprayable to attain uniformity in finish.
- » Does not affect the nature of the finishing chemicals and compositions.
- » Does not loosen the leather structure.

Note : The product being combination of various raw materials, there are chances of variations in colour and viscosity. The property and application of the product will remain same.
Store within 5°C to 35°C in original pack with tightly closed.

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PENETRATOR L8

Penetrating Agent for leather finishing

Chemical composition	Blend of Organic Solvents with anionic emulsifiers in aqueous medium
Appearance	Pale to Clear Liquid
Shelf life	Up to 6 months from the date of manufacture
Dilution	Soluble in water

Properties and Application :

- » PENETRATOR L8 is used for speeding the penetration of finish compositions to have clarity and uniformity in finishing optic.
- » Reduces the particle size to get the finishing composition to be freely sprayable to attain uniformity in finish.
- » Does not affect the nature of the finishing chemicals and compositions.

Note : The product being combination of various raw materials, there are chances of variations in colour and viscosity. The property and application of the product will remain same.
Store within 5°C to 35°C in original pack with tightly closed.

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PENETRATOR MB

Penetrating Agent for leather finishing

Chemical composition	Blend of Organic Solvents with phosphate surface modifiers in aqueous medium
Appearance	Pale to Clear Liquid
Shelf life	Up to 6 months from the date of manufacture
Dilution	Soluble in water

Properties and Application:

- » PENETRATOR MB is used for speeding the penetration of finish compositions to have clarity and uniformity in finishing optic.
- » Reduces the particle size to get the finishing composition to be freely sprayable to attain uniformity in finish.
- » Does not affect the nature of the finishing chemicals and compositions. Used from 1% to 2% depending upon the viscosity of the spraying composition.

Note: The product being combination of various raw materials, there are chances of variations in colour and viscosity. The property and application of the product will remain same.
Store within 5°C to 35°C in original pack with tightly closed.

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PENETRATOR PT 8029

Penetrating Agent

Chemical composition	Blend of selective Organic Solvents
Appearance	Pale to Clear Liquid
Shelf life	Up to 6 months from the date of manufacture
Dilution	Soluble in water

Properties and Application :

- » PENETRATOR PT 8029 is used for speeding the penetration of finish compositions to have clarity and uniformity in finishing optic without dulling the finish surface.
- » Reduces the particle size to get the finishing composition to be freely sprayable to attain uniformity in finish.
- » Does not affect the nature of the finishing chemicals and compositions.
- » Highly suggested for Impregnation leathers.

Note : The product being combination of various raw materials, there are chances of variations in colour and viscosity. The property and application of the product will remain same.
Store within 5°C to 35°C in original pack with tightly closed.

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ZSIVIRA

ZEPROFIX EXV

Formaldehyde Finish Fixing Agent

Chemical composition	Proprietary Compound
Appearance	Clear Colorless Liquid
pH - value 1 : 10%	5,5 – 6.0%
Shelf life	Up to 6 months from the date of manufacture

Field of application:

As top coat in fixing casein finish.

Properties:

- » ZEPROFIX EXV is powerful fixing agent for fixing casein coated finishes and also for some kind of resin finish used as replacement to pure Formaldehyde.
- » ZEPROFIX EXV is completely FREE FROM FORMALDEHYDE and hence makes the possibility of Formaldehyde Free Finish possible.

Usage:

ZEPROFIX EXV : 120 –150 PARTS
WATER : 220 – 250 PARTS
GLACIAL ACETIC ACID : 10 – 25 PARTS

It is recommended to avoid Acetic Acid in case of mixing with Protein Binders.

There are possibilities for the product to change pale yellowish to reddish on prolonged ageing. But the character and usage remains same.

Note : The product being combination of various raw materials, there are chances of variations in colour and viscosity. The property and application of the product will remain same.
Store within 5°C to 35°C in original pack with tightly closed.

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ZSIVIRA

ZEPROFIX RXN

Formaldehyde Free Finish Fixing Agent

Chemical composition	Aldehyde Linked Organic Compound
Appearance	Clear Colorless Liquid
pH - value 1 : 10%	5 – 5.5%
Shelf life	Up to 6 months from the date of manufacture

Field of application:

As top coat in fixing casein finish.

Properties:

- » ZEPROFIX RXN is powerful fixing agent for fixing casein coated finishes and also for some kind of resin finish used as replacement to pure Formaldehyde.
- » ZEPROFIX RXN is completely FREE FROM FORMALDEHYDE and hence makes the possibility of Formaldehyde Free Finish possible.

Usage:

ZEPROFIX RX N : 120 PARTS
WATER : 220 PARTS
GLACIAL ACETIC ACID : 10 – 20 PARTS

It is recommended to avoid Acetic Acid in case of mixing with Protein Binders.

Note : The product being combination of various raw materials, there are chances of variations in colour and viscosity. The property and application of the product will remain same.
Store within 5°C to 35°C in original pack with tightly closed.

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ZEPROLIN ACT 100

Finishing Cross Linker

Chemical composition	Based on Resinous compound
Appearance	Milky Liquid
pH - value 1 : 10%	2.0 – 4.0%
Charge	Anionic
Shelf life	Up to 1 year at temperatures between 5 and 40° C.
Dilution	Added Undiluted

Field of application :

To act as cross linker to thicken the Season mix Solution of Resin, PU, wax and protein mixtures.

Properties :

- » ZEPROLIN ACT 100 is highly capable of CROSS LINKING to make a HOMOGENISE season solution without affecting the character of the chemicals mixed in the season solution.
- » It can be used in different stages at variable pH to obtain various results depending upon the viscosity needed.
- » Does not affect the stretch and elasticity property of the season solution.
- » Facilitates even and smooth coating without film break.
- » Improves the functionality of the season solution and enhances continuous film formation.
- » Does not affect the shelf life of the season solution.

Note : The product being combination of various raw materials, there are chances of variations in colour and viscosity. The property and application of the product will remain same.
Store within 5°C to 35°C in original pack with tightly closed.

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Smart Chemistry

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