



Smart Chemistry

ZSIVIRA

FORMIKZ

Description	Dye Fixative and pH modifier
Appearance	Clear Liquid
pH - value	1 or less
Strength	85% +/- 2%
Solubility	Freely soluble in water

Field of application :

As dye fixing agent and pH adjuster in deliming, tanning , retanning and dye fixing.

Properties :

- **FORMIKZ** is an innovative product to replace expensive and Highly Hazardous and Corrosive Formic Acid usage in Leather Industry.
- **FORMIKZ** has the potential to completely replace Formic Acid one to one.
- **FORMIKZ** is very much less hazard to effluent when compared to Formic Acid.
- **FORMIKZ** is safe to handle and non-hazardous to human as it will not give any irritation or burning effect on human skins even if touched directly.
- Being Non-Corrosive it will not affect the strength of the leather even in prolonged storage.

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.

ZSIVIRA CHEMIE MERK PRIVATE LIMITED

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The following data is the result of our R&D comparison test with FORMIC ACID and FORMIKZ** :

TEST CONDUCTED	Conventional FORMIC ACID	FORMIKZ	Test Requirement
Tensile Strength (N/mm ²) ISO 3376	D1 21.92 D2 30.96	D1 21.47 D2 29.29	14
Elongation (%) ISO 3376	D1 57% D2 65%	D1 57% D2 62%	/
Tear Strength (N) ISO 3377-1	D1 54.9 D2 63.5 Avg 59.2	D1 55.1 D2 64.8 Avg 60.0	20N
Colour Fastness:			
Dry 5 rubs	4/5	4/5	/
Wet 5 rubs	3/5	3/5	
Leather pH	3.2	3.7	3.5 TO 7.0
BOD/COD of Bath			
After fixing :			
BOD	2430	1523	-
COD	7920	5069	

*The above data is pertaining to the trials conducted in our lab and leather subsequently tested with external lab under ISO method.

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