

FIX ISO

Aliphatic polyisocyanates in organic solvent

CHEMICAL CHARACTERISTICS

Appearance:	liquid
Colour:	colorless
Smell:	characteristic
Dry residue:	69.0 – 71.0 %
Solubility:	miscible in H ₂ O

PRODUCT CHARACTERISTICS

FIX ISO is a product based on aliphatic polyisocyanates that can be used as a hardener in finishing mixtures based on single-component polyurethanes.

Its cross-linking action on the polyurethane components allows the leather to be very resistant to anchoring, rubbing and abrasion, both dry and wet.

Due to its chemical nature, FIX ISO activates its cross-linking action on the polymers with which it is mixed starting from a temperature of 80 °C and the maximum cross-linking capacity is obtained at 120 °C for a cross-linking time of 3 - 4 seconds.

This feature allows you to prepare finishing mixtures containing FIX ISO up to 48 hours before their application.

APPLICATIONS

FIX ISO can be used both in final leather finishing mixtures and in base preparations.

In particular, if the leathers are finished with technologies without the use of water (LAYERTECH technology) the FIX ISO can be added to the bonding polyurethane (W-THANE 911/S or W-THANE 911/A) in order to give a Very high resistance to adhesion and hydrolysis.

If the leather is finished with LAYERTECH technology, the fixing reaction occurs during the LAYERTECH application phase.

In this case, FIX ISO not only cross-links the base polyurethanes (W-THANE 911) but also acts as a cross-linker on dry-applied products using LAYERTECH technology, imparting extremely high mechanical resistance to both the base and the LAYERTECH itself.

Complete cross-linking occurs approximately 72 hours after application.

The quantity to be used varies depending on the performance you want to impart to the leather, we suggest using percentages ranging from 2.0% to 4.0% of the weight of the polyurethanes used.

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Chemical-physical properties of the product have been determined in accordance with internal procedures by methods of analysis due to national and / or internationally recognised standards. The information contained in this data sheet are based on our current knowledge. Given the multiplicity of Factors that can influence the processing and use of our products, the customer is obliged to carry out its part tests and controls. No responsibility can Be taken by us for an incorrect use of the product

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