

CHIMOTAN JZ

Tanning copolymer based on plant extracts

CHEMICAL CHARACTERISTICS

Appearance:	Liquid
Colour:	Dark Brown
Smell:	Characteristic
Active material:	52,0 % +/- 2,0
Dry residue:	50,0 % +/- 2,0
pH (sol al 10%):	3,9 +/- 0,5
Solubility:	Partially soluble
Charge:	Anionic
Lightfastness:	Medium - Low

PRODUCT CHARACTERISTICS

CHIMOTAN JZ is a single molecule made up of a long polymer chain containing several polyphenolic groups of NATURAL origin stably condensed on it.

Thanks to its chemical nature it was possible to create a product with a very high concentration of active material.

This is an innovative product as during the fixation phase on the skin, CHIMOTAN JZ manages to form long chains that stably connect the fibers to each other.

During this cross-linking phase between the leather fibres, the polyphenolic groups, which are too far from the protein fibers and therefore cannot unblock with them, remain available to form stable bonds with all the other chemical products used in the retanning phase .

For this reason, synthetic tannins, vegetable extracts, dyes etc. are added to the fatliquor. they find the possibility of having further attachment points on the new chain that has formed.

The benefit of this reaction is that the tanning baths are much better exhausted and the leather is fuller and more pasty.

CHIMOTAN JZ has excellent penetration ability at pH values above 5.0 and at temperatures below 35 °C.

This product tends to cross-link, lowering the pH value up to 3.8, thus obtaining complete fixation.

The increase in temperature facilitates its cross-linking reaction between the various molecules and between the fibers of the skin.

Stable with all anionic charge products.

It crosslinks rapidly in the presence of acids or cationic products.

The product has a very dark brown colour, coloring due to the presence of polyphenols in the chestnut extract.

If used in large quantities, its color can interfere with leather dyes, changing the tone of the usual dye.

We do not recommend the use of this product in the production of white leather and where high light fastness is required.

APPLICATIONS

Suitable for both chrome and vegetable retanning of leather, CHIMOTAN JZ finds advantageous applications in the production of all types of articles, in particular leather for footwear and leather goods, both split and full-grain where it is possible to obtain the following advantages:

- Great fullness and uniformity of the skin.
- Firm and stable flower.
- Excellent exhaustion of retanning baths.

For optimal application, we suggest working on skin neutralized at pH 4.8 – 5.2 and with a uniform section.

In order to exploit all the potential of the polymer, it is best to carry out the entire retanning, dyeing and fatliquoring process in a single bath.

CHIMOTAN JZ can be fixed by lowering the pH value to 3.7 – 3.8 with additions of formic acid or by adding cationic products such as metallic salts or our FIXOIL TS/1.

The usable quantities vary depending on the item requested.

Revision 07 of 26/08/2024

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

CHIMONT INTERNATIONAL SPA

Tel. +39 0571 447011 – Via Barsanti 32 – 56020 Capanne – Montopoli Valdarno (Pisa) Italy

Info@chimont.it www.chimontgroup.it – P.I./C.F. 01410250508 – R.E.A. Pisa n.125831

Chimont International S.p.A. is a certified company Uni En Iso 9001-Uni En Iso 14001 and Uni En Iso 45001