CROSSLINKING AGENTS

HYDROSIN NF-12

CROSSLINKER

DESCRIPTION

HYDROSIN NF-12 is a hydrophilic multifunctional polycarbodiimide with aliphatic nature.
It is used as a crosslinking agent for polymeric dispersions (polyurethane and acrylic). It reacts with carboxylic groups forming a dense network that improves the resistance performances of the treated finishing.
HYDROSIN NF-12 could be used at room temperature.

TECHNICAL INFORMATION

APPEARANCE	Clear, viscous and pale yellow liquid
% -NCN- GROUPS (theoretical in the product as supplied)	Min. 6%
ACTIVE MATTER	100%

SOLUBILITY

Soluble in water and in organic solvents, such as acetone, glycols and glycol ethers.

STORAGE AND STABILITY

HYDROSIN NF-12 is stable for 6 months if stored in original closed container at temperatures between 5 - 35°C (41 - 95°F). Avoid freezing.

SPECIAL FEATURES

- Easy to use, high compatibility and specific reactivity (with carboxylic groups).
- Improves the efficiency of fluorocarbon products.
- Chemical resistance to organic solvents and water.
- Abrasion and scratch resistance.
- Adhesion improvement.
- High shelf-life of the formulation at a pH > 8.
- Reduces yellowing of the treated finishes.

APPLICATIONS

HYDROSIN NF-12 is a crosslinking agent for dispersions, emulsions, and aqueous polymer solutions containing carboxyl groups.
The recommended dosage for **HYDROSIN™ NF-12** is from 5,0 to 10,0 parts by weight in 100,0 parts of acrylic polymer or polyurethane dispersion.
Preliminary tests should be performed in order to assess the appropriate dosage.

PERSONAL SAFETY

HYDROSIN NF-12 does not require hazard labeling. Please carefully read the current Safety Data Sheet for a safety use of the product.

PACKAGING

- **Kg 5** / Plastic drum 1H2
- **Kg 25** / Plastic drum 1H2
- **Kg 100** / Plastic drum 1H2

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MAFLON S.p.A.

(Società Socio Unico soggetta all'attività di direzione e coordinamento ex art. 2497 bis C.C. da parte di Mazza Holding srl)

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