



CROSSLINKING AGENTS

# HYDROSIN<sup>®</sup> NF-12D

CROSSLINKER



## DESCRIPTION

**HYDROSIN<sup>®</sup> NF-12D** is a polymeric hydrophilic multifunctional carbodiimide, of aliphatic nature, in aqueous solution.

It is used as a crosslinking agent for polymer dispersions (polyurethane and acrylic) containing carboxyl groups, at room temperature.

## TECHNICAL INFORMATION

APPEARANCE	Transparent yellowish liquid
IONIC CHARGE	Non-ionic
pH	6 - 8
% -NCN- GROUPS (theoretical in the product as supplied)	Min. 3%
ACTIVE MATTER	48 - 52% (wt)

## SPECIAL FEATURES

- Easy to use, high compatibility and specific reactivity (with carboxyl groups).
- Improves the performances of fluorocarbon products.
- Water-based emulsion, non-flammable.
- Chemical resistance to organic solvents and water.
- Abrasion resistance.
- Scratch resistance.
- Adhesion improvement.
- High pot-life of the formulation.
- Limited yellowing.

## TECHNICAL SPECIFICATIONS

Solid content: **48 - 52%**  
pH: **6 - 8**

## STORAGE AND STABILITY

**HYDROSIN® NF-12D** is stable for 6 months if stored in original closed container at temperatures between 5 and 35°C (41 - 95°F). The product is sensitive to freezing.

## APPLICATIONS

**HYDROSIN® NF-12D** is a cross-linking agent for dispersions, emulsions and aqueous polymer solutions containing carboxyl groups. The recommended dosage for **HYDROSIN® NF-12D** 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 determine the appropriate dosage.

## PERSONAL SAFETY

**HYDROSIN® NF-12D** is exempt from hazard labeling. Before using this product, please carefully read the current safety data sheet.

## PACKAGING

- **Kg 50** / Plastic tank 3H1
- **Kg 200** / Plastic drum 1H1
- **Kg 1000** / IBC 31HA1

### 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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