



CROSSLINKING AGENTS

HYDROSIN® C-27

CROSSLINKER



DESCRIPTION

HYDROSIN® C-27 is a high molecular weight aliphatic polycarbodiimide, in organic solution. It is used as a crosslinking agent for water-based and solvent-based polymer (polyurethane and acrylic) containing carboxyl groups.

TECHNICAL INFORMATION

APPEARANCE	Clear to slightly cloudy liquid
COLOR	Pale yellow to yellow
DENSITY	1,01 g/cm ³
FLASH POINT	74°C
ACTIVE MATTER	39 - 41% (wt)

SPECIAL FEATURES

- Compatible with solvent and water-based systems.
- High flash point.
- Improves chemical resistance against organic solvents and water.
- Improves abrasion and scratch resistance.
- Adhesion improvement.
- High pot-life of the formulation (with pH > 8).
- Limited yellowing.

TECHNICAL SPECIFICATIONS

Solid content: **39 - 41%**

STORAGE AND STABILITY

HYDROSIN® C-27 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® C-27 is a crosslinking agent for polymer containing carboxyl groups. The recommended dosage for **HYDROSIN® C-27** is from 5,0 to 10,0 parts by weight in 100,0 parts of polymer dispersion.

Preliminary tests should be performed in order to determine the appropriate dosage.

For water-based polymers, it is advisable to add small quantities of water or aqueous polymer dispersion to the quantity of **HYDROSIN® C-27** to be used (mixing with good stirring speed) and then add this solution to the final system. Never add **HYDROSIN® C-27** directly to water or aqueous polymer dispersion.

PERSONAL SAFETY

HYDROSIN® C-27 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