



CROSSLINKING AGENTS

HYDROSIN® NF-04

CROSSLINKER FOR TEXTILE APPLICATIONS



DESCRIPTION

HYDROSIN® NF-04 is a water-based stabilized crosslinking agent. Improves the resistance of the oil and water repellent effect of auxiliaries for textile industries. This product provides a durable and transparent treatment to textile finishes, it improves rubfastness and wash of pigment prints. **HYDROSIN® NF-04** exhibits high compatibility and stability in various formulations.

TECHNICAL INFORMATION

APPEARANCE	Milky white to yellowish dispersion
IONIC CHARGE	NonIonic
pH (5% in water)	4 - 6
DILUTABILITY	Miscible in all proportions with (cold) water
FLASH POINT	>100°C (212°F)
BOILING POINT	100°C (212°F)
ACTIVE MATTER	38 – 41 % (wt)

SPECIAL FEATURES

- Improve the efficiency of fluorocarbon products.
- Water based emulsion - Non flammable.
- Formaldehyde-free.
- Not contain PFC, PFOA, PFOS, APEO or organotin.

TECHNICAL SPECIFICATIONS

Solid content: **38 – 41%** (4 h at 105°C)
pH (5% in water): **4 – 6** (DIN EN 1262)

APPLICATIONS

HYDROSIN® NF-04 can be applied by padding, diluted with cold water at least 1:1 and then added to the finishing bath. Depending on the purpose the application amount is 5 – 20 g/l or about 10 - 20% of the whole formulation.

STORAGE AND STABILITY

HYDROSIN® NF-04 should be stored at temperature between 0 - 40°C and in this condition it can be kept for at least 6 months. The product is not sensitive to frost.

NOTES FOR APPLICATIONS

■ 100 % PES

10-40 g/l	Fluorocarbon resin
2-5 g/l	HYDROSIN® NF-04
0,2 ml/l	Acetic acid 60%

- Pad at 50-70% pickup
- Cure 40-20 sec at 170-180°C

■ PES/CO or 100% Cotton

30-50 g/l	Fluorocarbon resin
5-10 g/l	HYDROSIN® NF-04
1 ml/l	Acetic acid 60%

- Pad at 50-70% pickup
- Cure 2-4 minutes at 150-160°C or 20 sec at 175-180°C.

PERSONAL SAFETY

HYDROSIN® NF-04 does not contain toxic substances. Before using this product, please read the current Material Safety Data Sheet.

PACKAGING

- **Kg 120** – Plastic drum
- **Kg 1000** – Plastic drum