

DIAMONTEX CROSS

Formaldehyde free crosslinking agent for fluorocarbons

Chemical composition

aqueous dispersion of polyurethane

Characteristics

Appearance:	white liquid
Ionogenität:	non-ionic
Solubility/Emulsifiability:	miscible in water
Resistance:	compatible with non-ionic, anionic and cationic products; resistant to organic acids in usual concentrations as well as to hard water; (preliminary lab trials are generally recommended)
Storage:	at least 12 month if properly stored
Stability to frost:	sensitive to frost - do not store below 2°C

Application properties

- formaldehyde free
- no yellowing because of the aliphatic character
- good compatibility with finishing products
- easy to handle
- bluesign® approved

DIAMONTEX CROSS gives the cross-linked polymer a good elastic and firm hand.

The desired film properties depend on the amount of the cross-linking agent used. The addition of the cross-linker improves the fastness to washing and dry-cleaning.

Application fields

DIAMONTEX CROSS is designed to cross-link dispersions and fluorocarbons. Further, DIAMONTEX CROSS improves the tear strength as well as the abrasion resistance.

Possible applications are, for example,

- functionalisation of digital printed textiles
- ribbons, bands, tapes, curtains, draperies, building site and geotextiles
- coating of textile goods

The above results have been obtained from trials in our laboratory and plant. In the light of changing conditions they can serve only as a guide and are therefore offered without obligation. We ask you to observe the possible rights of third parties.

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Guidelines for application

DIAMONTEX CROSS can be directly added to the treatment bath in undiluted form.

The respective concentration to be used depends on the material to be finished and the desired finishing effects.

We suggest to use the following amounts:

Fluorocarbons: (calculated on the amount of fluorocarbon)

Cotton, viscose:	10 - 25%	DIAMONTEX CROSS
Polyester, polyamide:	5 - 15%	DIAMONTEX CROSS

The treated fabric is dried at about 100 °C and cured at 150°C for 2 minutes. Drying and curing can also done in one step.

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