



Mexa-Cross CL10

Technical Data Sheet

Introduction

Mexa-Cross CL10 is a thermoplastic type cross-linking agent, with the purpose of improving efficiency and durability of Itoguard and Mexaguard products, water & oil repellent agents of SUM Trading Company.

1. Features

- Mexa-Cross CL10 causes a remarkable increase of durability of water & oil repellent agents, especially when applied on cotton or cotton blended fabrics.
- Mexa-Cross CL10 is to be used in combination with various Itoguard and Mexaguard products as well as various different water & oil repellent agents.
- Mexa-Cross CL10 can be applied before lamination to improve adhesion of coating.
- Mexa-Cross CL10 does not feature any solvents.

2. Physical/Chemical Properties

Appearance	White, liquid
pH (25 °C)	6 - 8
Ionic Charge	Nonionic
Specific Gravity (25°C)	1.08
Solubility	Easily soluble in water
Boiling Point	100°C
Freezing Point	0°C

3. Application

Mexa-Cross CL10 is to be applied by padding method. Depending on the expected results, the standard quantity used in padding process is in 5 - 20 g/l range. Running tests before application is recommended.

Recommended Usage:

100% Cotton or PES/Cotton

5-10 g/l Mexa-Cross CL10 (30-100% wet pickup, used with Itoguard/Mexaguard product)

Standard processing conditions:

- Drying at 100-120°C for 1-3 min.
- Curing at 150-170°C for 1-3 min



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100% PES

5 g/l Mexa-Cross CL10 (30-100% wet pickup, used with Itoguard/Mexaguard product)

Standard processing conditions:

- Drying at 100-120°C for 1-3 min.
- Curing at 150-170°C for 1-3 min

Polyamides & their blends

5-10 g/l Mexa-Cross CL10 (30-100% wet pickup, used with Itoguard/Mexaguard product)

Standard processing conditions:

- Drying at 100-120°C for 1-3 min.
- Curing at 150-170°C for 1-3 min

* Usage of a higher amount of Mexa-Cross CL10 may cause hardening of the handle of the finished fabric, due to thermo-plastic type of the product. Running tests before large-scale production is required.

** When applied on synthetic fabrics, like pure polyester or polyamide, an unique handle with some elasticity can be obtained.

4. Precautions for use

- Mexa-Cross CL10 can be stored under normal conditions.
- Stir well before use.
- Avoid freezing the product. Once frozen, it may not be usable even after defrosting.
- Avoid using to a large extent. Too much usage may have various negative effects, such as yellowing of white fabrics, decrease of light fastness, change of color shade or decrease of resistance to NO₂/NO₃ gases.
- Use under adequate ventilation is recommended. It is not safe to breathe any vapor or mist.
- Wear protective equipment when handling. Avoid direct contact with eyes and skin.
- See the Material Safety Data Sheet for further information about safe use.

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