

Unidyne XF-5003

is a fluorine-free, water-based polymer emulsion. It imparts water repellency to e.g. textiles and nonwovens.

Product Features

- Fluorine-free
- 30% solid
- Imparts excellent water repellency to all types of fabric substrates; on synthetics in combination with booster
- Imparts durability to washing and dry cleaning in combination with booster
- Excellent process ability

Physical Properties

<i>Appearance</i>	off white
<i>Charge</i>	weakly cationic
<i>pH</i>	2,5
<i>Specific gravity at 25°C</i>	1,0 - 1,1 g/cm ³
<i>Solubility</i>	fully miscible with water

Storage / Shelf-life

- XF-5003 should be stored according to the Material Safety Data Sheet
- Avoid freezing
- When stored using the recommended conditions, shelf-life is 18 months after production date

Safety

Before using this product, please read the current Material Safety Data Sheet and the precautionary statement on the product package. Follow all applicable directions.

Application Guide

- Padding process
- pH of the finishing liquor 3-7
- pick-up 30-90%

Standard recipe

<i>Substrate</i>	Cotton
<i>Concentration</i>	10 - 100 g/l XF-5003
<i>Curing conditions</i>	160 - 180° C, 60 - 120 sec., depending on the material*
<i>Substrate</i>	Synthetics / Synthetics blends
<i>Concentration</i>	40 - 100 g/l XF-5003 10 - 30 g/l Cross-linker
<i>Curing conditions</i>	160 - 180° C, 60 - 120 sec., depending on the material*

Durable recipe

<i>Substrate</i>	Cotton / Cotton blends
<i>Concentration</i>	40 - 100 g/l XF-5003 10 - 30 g/l Cross-linker
<i>Curing conditions</i>	160 - 180° C, 60 - 120 sec., depending on the material*

*The lower the curing temperature, the longer the curing time.

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