

Unidyne XF-5005

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
- Imparts durability to washing and dry cleaning in combination with booster
- Excellent Bundesmann performance
- Excellent process ability

Physical Properties

<i>Appearance</i>	Whitish - light yellow
<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-5005 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-5005
<i>Curing conditions</i>	160 - 180° C, 60 - 120 sec., depending on the material*
<i>Substrate</i>	Synthetics
<i>Concentration</i>	40 - 100 g/l XF-5005
<i>Curing conditions</i>	160 - 180° C, 60 - 120 sec., depending on the material*

Bundesmann recipe

<i>Substrate</i>	Synthetics
<i>Concentration</i>	80 - 120 g/l XF-5005 20 - 40 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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