

## Unidyne XF-5004

is an excellent non-fluorinated repellent that imparts excellent anti-slippage property and water repellency on textiles.

### Product Features

- Fluorine-free
- 30% solid
- Imparts water repellency to all types of fabric substrates
- Imparts excellent anti-slippage property
- Imparts durability to washing in combination with booster
- Excellent process ability

### Physical Properties\*

<i>Appearance</i>	Off white / pale yellow emulsion
<i>Charge</i>	Cationic
<i>pH</i>	2,1 - 5,0
<i>Specific gravity</i>	1,0 g/cm <sup>3</sup>
<i>Solids content</i>	30 mass%

\*The above physical properties are representative and not guaranteed.

### Storage / Shelf-life

- XF-5004 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 4.0 - 6.0
- pick-up 30-90%

### Standard / DWR recipe

<i>Substrate</i>	Cotton and its blends
<i>Concentration</i>	10 - 100 g/l XF-5004 for DWR, add Cross-linker
<i>Curing conditions</i>	160 - 180° C, 60 - 120 sec., depending on the material*
<i>Substrate</i>	Synthetics and their blends
<i>Concentration</i>	10 - 100 g/l XF-5004 for DWR, add Cross-linker if necessary
<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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