

Unidyne TG-5502

is a water-based fluorocarbon polymer emulsion. It imparts water and oil repellency to e.g. textiles and nonwovens.

Product Features

- Based on C-6 chemistry
- 30% solid
- Imparts excellent hydrostatic head pressure performance (water column)
- Imparts excellent water and oil repellency to all types of fabric substrates

Physical Properties

<i>Appearance</i>	light yellow emulsion
<i>Charge</i>	nonionic
<i>pH</i>	2,0 - 5,0
<i>Specific gravity at 25°C</i>	1,07 - 1,17 g/cm ³
<i>Solubility</i>	fully miscible with water

Storage / Shelf-life

- TG-5502 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 / Synthetics / Blends
<i>Concentration</i>	10 - 60 g/l TG-5502
<i>Curing conditions</i>	160 - 180° C, 30 - 90 sec., depending on the material*

Durable recipe

<i>Substrate</i>	Cotton / Cotton blends
<i>Concentration</i>	40 - 100 g/l TG-5502 10 - 30 g/l Cross-linker
<i>Curing conditions</i>	160 - 180° C, 60 - 120 sec., depending on the material*

Water column recipe

<i>Substrate</i>	Synthetics
<i>Concentration</i>	10 - 30 g/l TG-5502 2 - 10 g/l Cross-linker / melamin resin
<i>Curing conditions</i>	160 - 180° C, 30 - 90 sec., depending on the material*

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

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