



Characteristics

- Makes textiles water and oil repellent, textiles will have a stain resistant effect
- Gives textiles a very soft, smooth, and silky grip
- Safe application due to highly even effects in proofing and drying
- Suited for immersion bath, tub or spraying processes
- No formation of inertgas in sterilisation processes

Chemical-physical data

Density:	1,0 g/ml
pH value:	2.5
Flash point:	>100 °C (212°F)

Water and oil proofing agent for waterproofing and stain-protective finishing of textiles. Application in water.

Application

1. Proofing in a bath process

(e.g. also as final rinsing bath in washing extractors)

Dip level:	1:3
Application concentration:	15 - 25 g of HYDROB FC per litre (2-3.3oz/gal) of liquid
pH value:	4.5 - 5.5 (adjustable with formic acid or acetic acid)
Temperature:	30 - 40 °C (86-104°F)
Contact:	5 - 7 minutes
Extraction:	1 minute (interval spinning for membrane textiles)

For post-treatment of already proofed textiles, an application concentration of 5-10 g of HYDROB FC per litre (0.66-1.3oz/gal) of water is sufficient (depending on requirements).

2. Dip process

This process is recommended only for treating individual textiles.

Application concentration:	25 - 35 g of HYDROB FC per litre (3.3-4.6oz/gal) of water
pH value:	4.5 - 5.5 (adjustable with formic acid or acetic acid)
Temperature:	20 - 40 °C (68-104°F)
Application time:	5 - 7 minutes

In case the liquor should be used once more, add 25 ml HYDROB FC / kg (0.38ozfl/lbs) textile to the next load. Drain the tub-liquor latest after 1 day.

3. Spray process

After spinning, spray 30-40 ml of HYDROB FC per kg (0.46-0.61ozfl/lbs) of textiles onto the dump textiles, roll the cage for 3-5 minutes, then dry.

4. Drying

For achieving the proofing effect, HYDROB FC requires heat and time.

Minimum drying temperature: 60 °C (140 °F)

Effect enhancement up to: 120 °C (248 °F)

If the textiles are heated to 120 °C (248 °F) for approximately 15 minutes or to 180 °C (356 °F) for 3 minutes, the effects achieved are wash resistant.

Certificate

Suited for treatment of chemical protective clothing according to DIN 32763, for post-treatment of fire-protective clothing according to EN 469, Item 7.5, and for barrier sheets used in hospitals.

Use and Storage

Do not expose HYDROB FC to temperatures below +5 °C (41 °F) or above +30 °C (86 °F) for extended periods of time. After exposure to frost, heat product to 20 °C (68 °F) and mix well before use.

When enclosed in packaging, HYDROB FC has a shelf life of at least 12 months. After each use, close packaging tightly.

All the details given are correct to the best of our knowledge. They must be adjusted to suit operating conditions. We accept no liability in respect of this information.

kreussler

*Competent and efficient
in textile chemistry and hygiene*