

KAPPAPHOB T5/083

Fluorine-free hydrophobing agent

Chemical composition	aqueous dispersion of polymers
Appearance	white to beige dispersion
pH-value 20 °C	4 – 6 (product)
Density 20 °C (g/ml)	approx. 1.0
Dry content (%)	34 – 37
Ionic charge	weakly cationic

Function

KAPPAPHOB T5/083 is a fluorine-free hydrophobing agent and suitable for permanently water-repellent finishing of textiles, especially for outdoor articles. The product also provides protection against water-based stains.

When using 40 g/l KAPPAPHOB T5/083, spray values of 100 (AATCC 22), and up to 30 wash cycles at 40 °C still 80 (cotton) and 90 – 100 (polyester) can be achieved.

In addition to the hydrophobic effect, the grip and air permeability of the product will not be affected. Nuances and wet fastness remain unchanged (for dispersion dyeing preliminary tests are necessary). The haptic is neutral after the equipment.

The product has no oil repellent effect.

Application

KAPPAPHOB T5/083 is mainly used in the padding process. The goods to be finished must be free of substances that reduce the effect (e.g. residual alkali, sizing agents, preparations, re-wetting surfactants etc.).

Recommended application levels:

- 40 – 80 g/l KAPPAPHOB T5/083
- 0.5 – 1 g/l acetic acid 60 %

During application, the pH-value should be adjusted at 4 – 5.

- Drying: according standard conditions at 110 – 130 °C
- Fixation: 3 minutes at 150 °C or 30 – 40 seconds at 170 – 180 °C (stenter frame)

Laboratory trials are recommended to determine the optimal dosage.

Dilution instruction

KAPPAPHOB T5/083 can be mixed with water at any ratio.

Storage

KAPPAPHOB T5/083 is stable for at least 6 months when stored properly and at temperatures of 5 – 30 °C in a tightly closed original container. Prolonged storage may lead to phase separation but has no effect on the quality of the product.

Stir before use!

Protect from frost!

Contact

KAPP Chemie
 info@kapp-chemie.com
 +49 / 6772 / 9311-0

