

GOLDGUARD FF

For the water repellent finish.

Application fields:

- For the water repellent finish for cellulose and synthetic fibers.
- Sporting goods, used outdoors.

Features and Benefits:

- Ecological repellency agent to water, free of fluorocarbon components.
- Promotes excellent hydrophobic properties on textiles and confers resistance to aqueous dirt.
- Very good washing durability of water repellency effects, especially when combined with an extender.
- Do not affect touch of the treated fabrics and high abrasion resistance.
- Free from organic halogen compounds and any fluorocarbon, not resistant to dry cleaning.
- Free of solvents and alkyl phenol ethoxylate (APEO), is non-flammable.

Physicochemical parameters:

Aspect	White liquid.
Chemistry nature	Aqueous composition of hydrocarbon based.
Ionic character	Slightly cationic.
pH (such as, 25°C, 77°F)	3.5 – 5.5

Application:

GOLDGUARD FF applied to impregnation process

60 a 100 g/L GOLDGUARD FF

Bath pH: 4.0 – 5.0

Bath impregnation

pick-up up to 50 - 70%

Bath temperature: about 20°C (68°F)

Drying: 120°C (248°F) and cure at 1 minute at 170°C (338°F)

GOLDGUARD FF applied in the exhaustion process on cotton articles

6 at 10 % GOLDGUARD FF (depending on the need for durability) pH 4.0 – 5.0 starting at room temperature and increasing the temperature to 40°C (1°C/min) and level of 40°C (104°F) level for 30 - 40 minutes.

Exhaust bath and dried at 110°C (230°F) and polymerized for 3 minutes at 150°C (302°F) or directly on the ram for 30 - 60 seconds 140 - 175°C (284-347°F).

For data of security, ecological and toxicological, see the Safety Data Sheet (SDS).

Note: Given the variety of substrates and applications processes, the information provided with fidelity should be understood as a guidance tool, therefore we cannot be responsible for any damages resulting from an inappropriate use. The data contained in this technical informative are based on current knowledge and applications of our products performed. Additional information can be obtained from our technical department. Review: 03/02/2018.