

Isoguard HCN

Isoguard HCN non-fluorinated repellent for advanced water repellency on textiles.

Material Definition

Appearance: Off-white to pale yellow emulsion

pH value: 2.1 - 5.0

Solid content: 29.0 - 31.0 %

Charge: Cationic

Density @23°C: Approx. 1.0 - 1.0 g/cm³

Applications

Isoguard HCN is fluorine-free and contains a solid content of 30%. It is designed to bestow exceptional water repellency across all fabric substrates. When combined with a booster, it ensures added durability against both washing and dry cleaning. Additionally, it's tailored for exhaust applications and boasts high efficiency even under low-temperature drying and curing conditions. Remarkably, it has demonstrated excellent performance in Bundesmann tests, underlining its premium quality. Beyond its functional advantages, the product offers stellar processability, ensuring seamless integration into various manufacturing procedures.

Standard Application / DWR

Substrate	Concentration	Curing conditions
Cotton and its blends	10 - 100 g/l Isoguard HCN for DWR, add cross-linker	160 - 180° C, 60 - 120 sec., depending on the material
Synthetics and their blends	10 - 100 g/l Isoguard HCN for DWR, add cross-linker if necessary	
Synthetics (Bundesmann)	80 - 120 g/l Isoguard HCN, 20 - 40 g/l Cross-linker	

Storage

The optimum storage and handling temperature range is 5 °C to 30 °C. The product must be protected from heat and frost in order to maintain viability. Containers must not be re-stocked after they have been opened. Properly stored, Isoguard HCN is stable for at least 18 months after the shipment has left our warehouse.

Packaging

Isoguard HCN is available in IBCs (1000kg each) and drums (200kg each). MoQ are 2 pallets with 8 drums or 1 IBC.

Regulatory Information

EU REACH registered: Not applicable

Availability

- Americas (United States, Canada, South America)
- APAC (Asia-Pacific)
- ANZ (Australia, New Zealand)
- EU (European Union)
- PRC (People's Republic of China)
- UK (United Kingdom)

Disclaimer / Conditions

Revision: 2023-10-11 / 7d70



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Stated storage and shelf life times are minimum guaranteed values for a period starting on the day of shipment. After this period has expired, the product requires additional quality control testing but may very well still be within specification. For more information, refer to our [Shelf Life Policy](#)

[\(/info/shelflife\)](/info/shelflife).

For updates on product information, please check this web page regularly:

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