



Flexipel HR-C200

Nonfluorinated Water Repellent

Overview

- Nonfluorinated water repellent developed for use on fabrics and carpets, as well as concrete and stone surfaces
- Fabric substrates include polyester, cotton, cotton/polyester blends, and nylon twill
- Water Repellency ratings of 3-4 on fabric substrates such as 100% cotton, 100% polyester, and cotton/polyester blends
- Water Repellency ratings of 3-4 on carpet substrates such as nylon 6 and nylon 6,6
- Repellent treatments can be achieved on concrete, Saltillo tile, and tumbled marble
- Heat cure is recommended for textile applications
- Non-flammable
- VOC free

Applications

- Treatment of textile substrates such as cotton, polyester, cotton/polyester blends, nylon twill
- Treatment of carpet substrates such as nylon 6 and nylon 6,6
- Treatment of concrete
- Treatment of stone surfaces such as Saltillo tile and tumbled marble

Technical Information

Flexipel HR-C200 is a cationically stabilized aqueous polymer emulsion which imparts water repellency to fabrics, concrete, and certain stone surfaces.

Wash durability of fabrics can be improved by co-applying Flexipel HR-C200 with Flexipol DMP-20.

Formulary

Flexipel HR-C200 is diluted for use, with a recommended starting point of 4% (as delivered) in water. Heat cure is recommended for textile applications.

Wash durability on fabric substrates can be improved by co-application with Flexipol DMP-20. Prepare an aqueous formulation containing 4% (as delivered) of Flexipel HR-C200 + 0.2% (as delivered) of Flexipol DMP-20. Heat cure is recommended.

Fabric applications of dip/nip or spray are recommended, followed by heat cure.

For concrete or stone surfaces, application techniques of brush, roller, or spray are recommended.

Typical Properties

PROPERTY	VALUE
Appearance	Opaque Emulsion
Color	White to tan
pH	3.2 to 5.5
Water solubility	Dispersible
Actives, %	26.0±1.0
Ionic Nature	Cationic
Density@25°C	0.98 to 1.02 g/ml
Boiling point	est. 100°C
Flash point	Non-combustible
Storage	Perishable if frozen. Protect from sunlight and store away from strong heat or oxidizing chemicals.
Shelf life	12 months

Packaging and Handling

Flexipel HR-C200 is available in:
275 gallon totes (Net Wt. 2250 lbs)
55 gallon plastic drums (Net Wt. 450 lbs)
5 gallon plastic pails (Net Wt. 40 lbs)

Refer to the Safety Data Sheet (SDS) for information on the safe use, handling, and disposal of this product.

DOT Classification: Non-Regulated

Whether you are looking for a replacement product or an ingredient for a specific attribute, give us a call. We can provide assistance based upon your particular formulation requirements and composition. Please feel free to contact us.

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