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FM 1331

MYSTOLENE D2404/1

Textile Auxiliary
Product Data

Function

Water and oil repellent for textiles.

Composition

Fluorocarbon resin emulsion.

Description

Free flowing white emulsion, readily dispersible in cold water.

Solids Content	:	approximately 30%
Appearance	:	milky white emulsion
Specific gravity	:	approximately 1.0 @ 20°C
pH	:	2.0 – 3.0
Ionic nature	:	weakly cationic

Suggested Uses

Applicable to natural and synthetic fibres such as cotton, wool, silk, nylon, polyester as well as their blends and mixtures. Can be used as a low temperature curing fluorocarbon on Microfibres.

Concentration

Since there will be a considerable variation in wet pick-up according to the type and weight of fabric and the equipment used, it is possible only to give a general guide.

Cotton fabrics	20 - 30 g per litre
Cotton/polyester fabrics	10 - 20 g per litre
Polyester fabrics	10 - 20 g per litre
Nylon fabrics	10 - 20 g per litre

assuming wet pick-up of 100%.

Durability

The product has limited durability to washing and dry cleaning. However, in combination with certain resins, this can be considerably enhanced.

Combined Finishing

Mystolene D2404/1 may be combined with most thermosetting resins and catalysts. Where rot or mildew proofing is required, the product may be combined with Mystox R.

Cloth Preparation

The fabric should be free from sizes, fats, wetting agents and other textile auxiliaries and be in a neutral to slightly acid condition prior to proofing. Use of anionic wetting agents should be avoided. In any case, the fabric must be rinsed thoroughly before use.

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Application

Preliminary trials should be carried out to establish suitability of equipment and other auxiliaries used in processing.

For pad application, Mystolene D2404/1 should be diluted with an equal volume of cold water. To obtain a uniform treatment, the fabric must be thoroughly wetted out. The use of a volatile wetting agent such as industrial methylated spirit (IMS) or isopropyl alcohol can be advantageous.

The fabric should be dried at 110°C followed by a cure at 150 - 170°C. Dwell times will vary according to the temperature used, but as a guide 1 minute at 170°C is sufficient to cure the finish.

Handling

Store between -5°C and 30°C.
Keep container tightly closed when not in use.
Avoid eye and skin contact.
For further information see product Safety Data Sheet.

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