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TECHNICAL INFORMATION

NORR MV

Introduction

NORR MV is a water-based fluorocarbon polymer emulsion for the water and oil repellency of textile goods.

NORR MV:

- Imparts excellent water and oil repellency to all types of fabric substrates
- Low temperature curing
- Enhanced environmental performance
- Performance is durable through extended home laundering
- Stable and compatible with common textile auxiliaries
- PFOA, PFOS-free



1. Properties

Appearance:	Off white or pale-yellow emulsion
Solids content:	29.0 – 31.0%
Ionicity:	Cationic
pH:	2.0 – 5.0 @ 25 °C
Specific Gravity:	1.07 – 1.17 @ 25 °C
Solubility:	Readily miscible in cold water
Compatibility with other finishing products:	Compatible with most finishing agents, consult with OSM Shield
Storage:	Should be stored between -5 °C and 30 °C, keep from freezing
Eco-toxicological data:	See MSDS



2. Application Properties

2.1 Padding Process

Standard Recipe:

20 – 60 g/L NORR MV

High Durability Recipe:

70 – 100 g/L NORR MV

Standard curing conditions are 160 – 180 °C for 60 – 100 sec. Curing temperature and dwell time are dependent on the fabric weight and properties. OSM Shield will prescribe a curing procedure on a per-fabric basis.

3. Application

NORR MV is typically applied by padding but can also be foam or spray applied.

- Depending on the type of fiber and performance requirements, the amounts used are determined on a per-fabric basis. Please consult with OSM Shield for mixing recipe.
- The pH of the finishing liquor should be 4 - 5 and may need to be adjusted with 0.25-1.0 g/L acetic acid.

The water- and oil-repellent effects can be impaired by residues of auxiliaries on the goods being finished such as fiber finish oils, sizes, surfactants or dyeing assistants. This is also the case when silicone-containing finish oils or softeners are used. We therefore recommend preliminary washing with 1 g/L non-foaming sequestering agent and acidification with 1 ml/L acetic acid 60%. The same impairment of the repellent effects will occur by adding analogous auxiliaries into the finishing liquor.

For best results, follow the mixing recipe and curing procedure provided by OSM Shield.

All OSM Shield chemical auxiliaries are [Bluesign](#) approved, [REACH](#) compliant, [ZDHC](#) Level 1 registered, [PFC-Free](#), and [PFOA-free](#).