



Product Information Sheet

Nanoflex® Repel Eco

Specification

Chemical basis: Nano-modified resin

Layer thickness: > 1000 nm

Water resistance: AATCC 22 / 100, ISO 4920 / 5

Oil resistance: no, can be combined with Nanoflex F-Bond for oil resistance

Slip angle: not specified

Temperature stability: 220°C

Chemical stability: good LTD effects after chemical cleaning

Weather resistance: up to > 500h pursuant to ISO 11507 A

Wash resistance: 30 - 40 washes LTD pursuant to (AATCC) Test Method 135, ECE formulation washing powder, non-phosphate reference

Transparency: 100%

Storage stability: 1 year



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Temperature sensitivity: 1°C to 40°C

Consumption: 60 - 80% pick-up (ready mix)

Formula: To achieve an outstanding, permanent stain guard against water-based contaminants e.g. on CO and synthetic blends, the following are recommended:

- 50 - 80 gr/L Nanoflex® repel Eco
- 10 gr/L Nanoflex® WAN
- 10 gr/L Nanoflex® WPB
- 0,5 gr/L acetic acid (60%)

Water absorption 60 - 80%

Drying under standard operating conditions, recommended: 100°C for 2 min

Subsequent curing: 150°C for 5 min.

Materials must be free of anionic, surfactant residues. Silicones or surfactants impair effect and adhesion. We would be happy to offer technical support for pre-cleaning, please call 01691 654282.

Exceptional wash resistance can be achieved, even without the use of WAN. Therefore, it is only required for optimum results. Replacing Nanoflex® repel Eco with Nanoflex® repel Eco H (high-performance) offers even greater durability against hydrostatic pressure.

Follow-up analysis is needed for Ökotex Class I textiles. The product contains low quantities of formaldehyde.

The product is based on non-flammable chemicals. They are non-hazardous according to ADR and IATA. Please observe the respective safety data sheet when using the individual components.