

Description

RUCO[®]-DRY ECO DPC is a high performance water repellent textile finishing agent made from non-fluorinated and non-persistent materials. RUCO[®]-DRY ECO DPC has been designed for long-lasting water repellent performance on natural fibres and blends. The water repellent finish offers superior protection from challenging weather conditions, mechanical stress and various household stains. Textiles finished with RUCO[®]-DRY ECO DPC can be branded **BIONIC-FINISH[®] ECO**.

Performance highlights

- superior water repellency on natural fibres and blends providing long-lasting protection from rain and aqueous stains
- excellent durability to home laundering up to 30x washes and more
- breathability of fabrics is retained thus providing comfortable wear of finished articles
- outstanding abrasion resistance turning the water repellent finish suitable for most challenging technical applications
- high stability and processability of finished goods including excellent lamination properties for post-processing of finished fabrics
- compatible with commonly used wetting agents and fillers
- free of halogenated compounds and alkylphenol ethoxylates (APEO)

Product characteristics

Ionic character: cationic/ non-ionic

Appearance: off-white aqueous emulsion

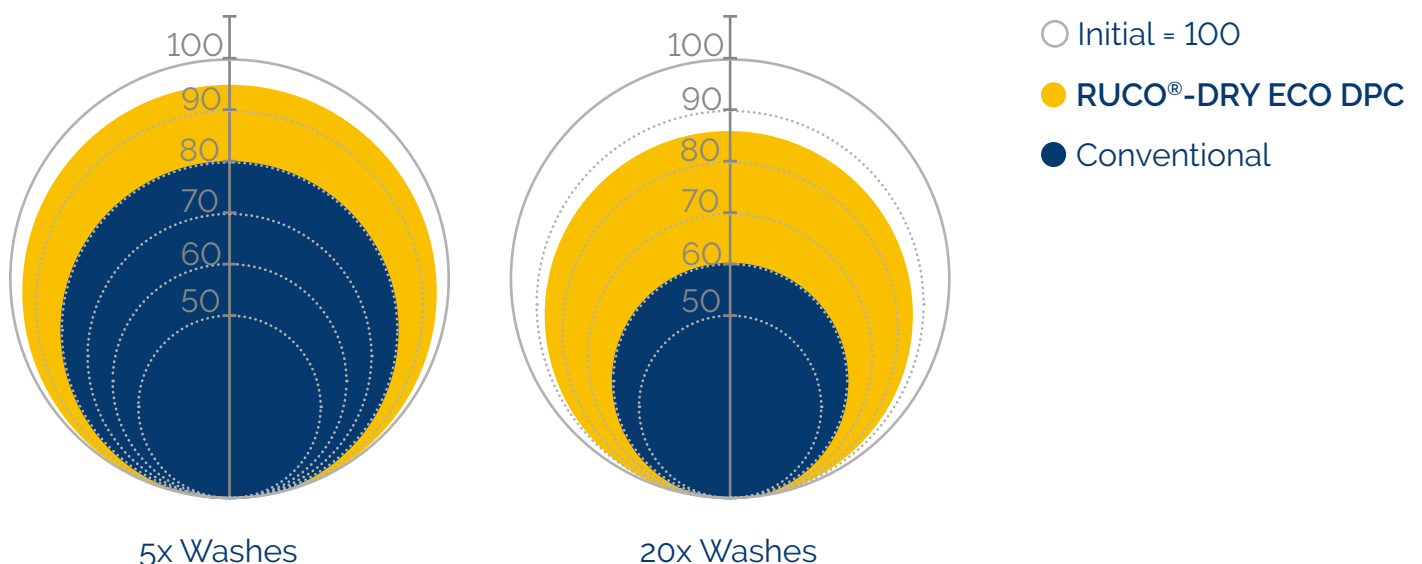
Technology: dendrimers/aliphatic crosslinking agents

pH: 3.0 - 5.0

Density: 1.02 g/L

Performance overview

Water spray repellency (AATCC22) on cotton twill after home laundering at 60°C (ISO6330)



Guideline application and recipe

Application steps for padding

- prepare and acidify the finishing bath to pH 3.5 - 5.5 using e.g. acetic acid
- add auxiliaries such as wetting agents and fillers if required
- add **RUCO®-DRY ECO DPC**
- adjust wet-pick up of fabric to 40 - 80 %
- dry at 120 °C and cure at 160 °C (60 sec)

Example recipes

Demonstrated examples include RUDOLF GROUP auxiliaries such as wetting agents (**RUCOWET®**)

Natural fibres, cellulose, synthetics and blends

2 g/L Acetic acid 60 %

60 - 150 g/L **RUCO®-DRY ECO DPC**

10 g/L **RUCOWET® FN**

Certifications

ZDHC MRSL compliant

Standard 100 by OEKO-TEX® (suitable for class I-IV)