

Description

RUCO[®]-DRY DHE is a high performance water repellent textile finishing agent made from non-fluorinated and non-persistent materials. RUCO[®]-DRY DHE has particularly been designed for raised fabric surfaces providing supple handle while retaining the voluminous pile. Textiles finished with RUCO[®]-DRY DHE 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 20x washes
- excellent gliding properties and soft feel on raised fabrics while retaining the voluminous pile
- breathability of fabrics is retained thus providing comfortable wear of finished articles
- soft and pleasant handle
- minimal impact on color thus suitable for white fabric goods
- 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

Ionogenicity: cationic/ non-ionic

Appearance: off-white aqueous emulsion

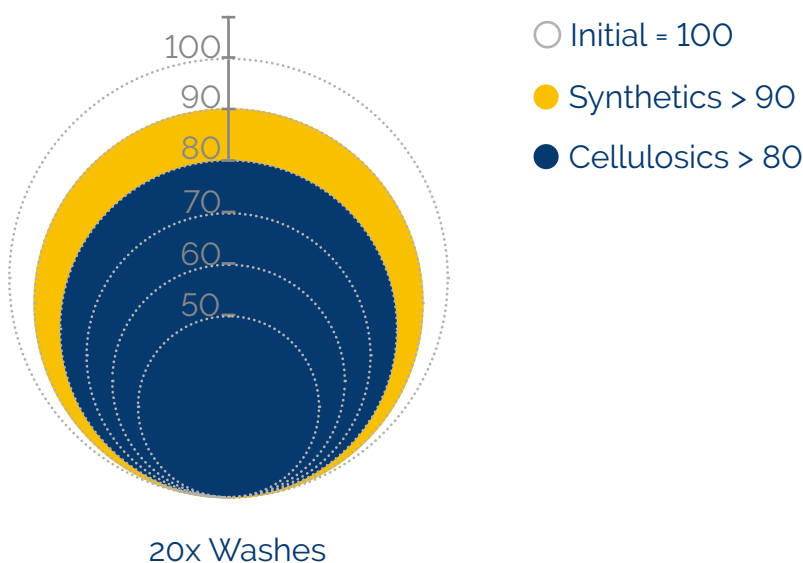
Technology: dendrimers/aliphatic crosslinker

pH: 3.0 - 5.0

Density: 1.01 g/L

Performance overview

Water spray repellency (AATCC22) after home laundering at 40°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 DHE**
- 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®**)

Synthetics

2 g/L Acetic Acid 60 %
30 - 100 g/L **RUCO®-DRY DHE**
10 g/L **RUCOWET® FN**

Natural fibres and blends

2 g/L Acetic Acid 60 %
70 - 100 g/L **RUCO®-DRY DHE**
10 - 15 g/L **RUCO®-LINK XHC**
10 g/L **RUCOWET® FN**

Certifications

bluesign® approved
ZDHC MRSL compliant
Standard 100 by OEKO-TEX® (suitable for class I-IV)

Contact us

www.rudolf-group.com