

Description

RUCO[®]-DRY ECO DCF is a high performance water repellent textile finishing agent made from non-fluorinated and a non-persistent materials. RUCO[®]-DRY ECO DCF has been designed for the creation of delicate garments made from all types of fibres that require enhanced resistance to dry cleaning. The water repellent finish offers superior protection from challenging weather conditions, mechanical stress and various household stains. Textiles finished with RUCO[®]-DRY ECO DCF can be branded **BIONIC-FINISH[®] ECO**.

Performance highlights

- superior water repellency on natural fibres, synthetics and blends providing long-lasting protection from rain and aqueous stains
- excellent durability to home laundering up to 30x washes and more
- enhanced dry cleaning fastness providing long-lasting protection to delicate textiles
- no dry soil attraction as seen with conventional dry clean resistant finishes
- breathability of fabrics is retained thus providing comfortable wear of finished articles
- convenient one-component application and free of flammable solvents/ gas formation compared to conventional products
- 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

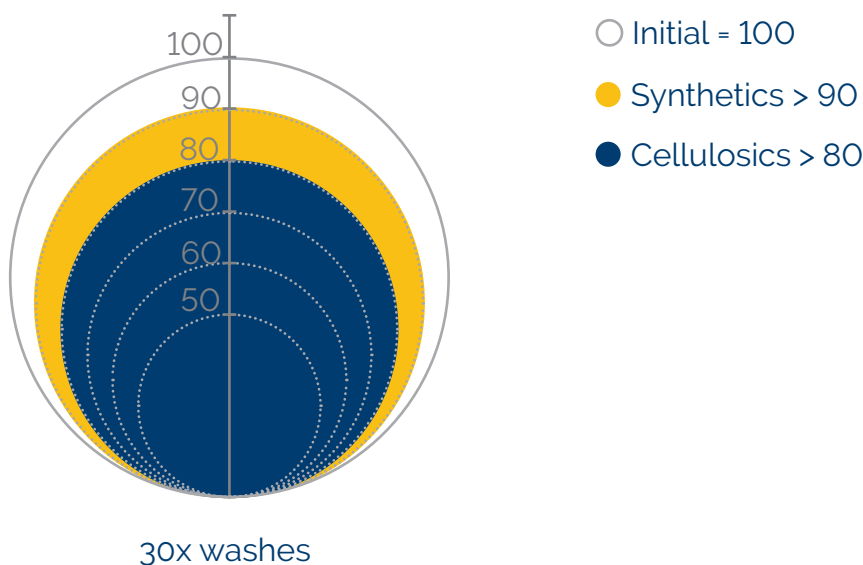
Technology: dendrimers/aliphatic crosslinker

pH: 3.0 - 5.0

Density: 1.01 g/L

Performance overview

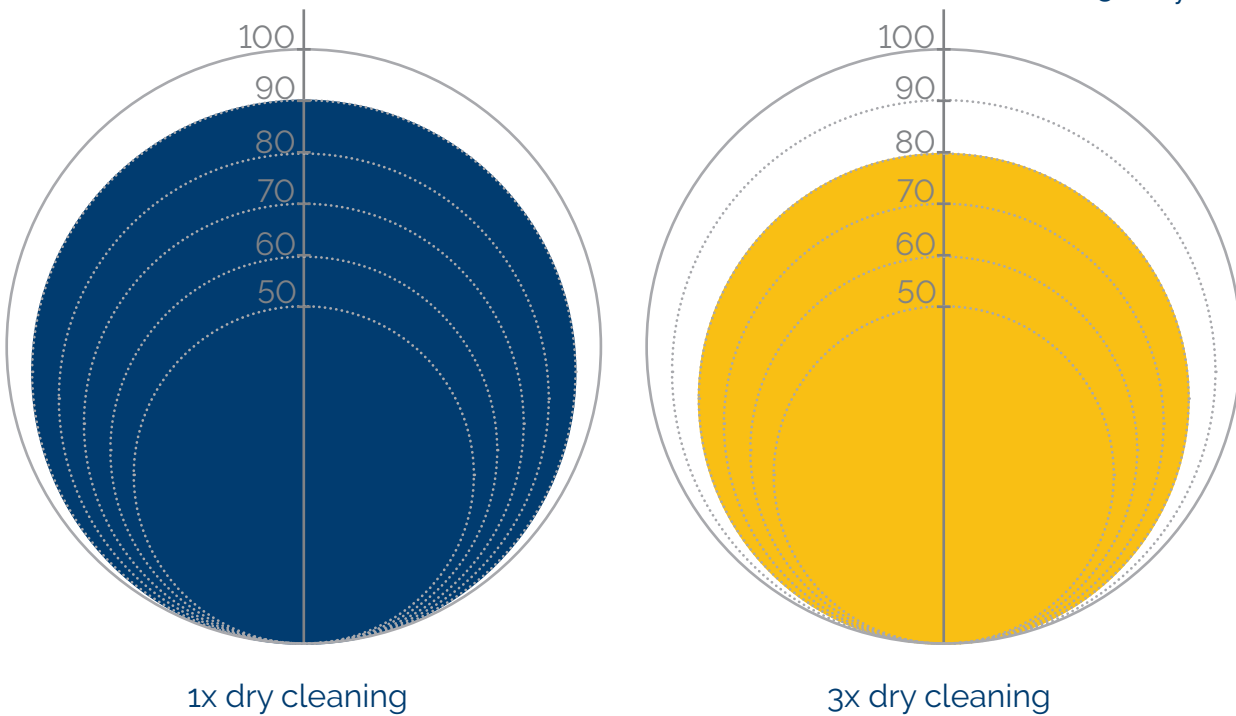
Water spray repellency (AATCC22) after home laundering at 40°C (ISO6330)



○ Initial = 100

● 1x Dry Cleaning > 90

● 3x Dry Cleaning > 80



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 DCF**
- 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, cellulosics, synthetics and blends

2 g/L Acetic acid 60 %

50 - 150 g/L **RUCO®-DRY ECO DCF**

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