

Description

RUCO[®]-COAT BC 7061 NEW is a high performance water repellent textile finishing agent made from non-fluorinated and renewable materials. **RUCO[®]-COAT BC 7061 NEW** is non-ionic and therefore suitable for coatings and finishes in combination with cationic and anionic products. Textiles coated or finished with **RUCO[®]-COAT BC 7061 NEW** can be branded **BIONIC-FINISH[®] ECO**. Textiles coated with **RUCO[®]-COAT BC 7061 NEW** can be branded **HYBRIDTEX[®]**.

Performance highlights

- excellent compatibility with all kind of coating and finishing products
- superior water repellency on natural fibres, synthetics and blends providing long-lasting protection from rain and aqueous stains
- excellent durability to home laundering allowing 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, fillers and extenders
- free of halogenated compounds and alkylphenol ethoxylates (APEO)

Product characteristics

Ionic character: non-ionic

Appearance: off-white aqueous emulsion

Technology: dendrimers

pH: 3.0 - 7.0

Density: 1.08 g/l

Guideline application and recipe

Application steps for padding:

- if required add auxiliaries such as crosslinkers, wetting agents and polymers to the water
- add **RUCO[®]-COAT BC 7061 NEW**
- adjust wet-pick up of fabric to 40 - 80 %
- dry at 120 °C and cure at 160 °C (60 sek)

Example recipes

Demonstrated examples include RUDOLF GROUP auxiliaries such as wetting agents (**RUCOWET[®]**) and blocked crosslinking agents (**RUCO[®]-COAT FX**).

x g/l Polymer (e.g. RUCO[®]-COAT PU- or RUCO[®]-COAT AC-type)

30 - 100 g/L **RUCO[®]-COAT BC 7061 NEW**

10 - 30 g/L **RUCO[®]-COAT FX 8041**

10 g/L **RUCOWET[®] FN**

Application steps for coating:

Water and/or polymer 933 - 831 g/kg

RUCO®-COAT TH 5020 7 - 9 g/kg

RUCO®-COAT AD 7070 10 g/kg

RUCO®-COAT BC 7061 NEW 40 - 100 g/kg

RUCO®-COAT FX 8041 20 - 50 g/kg

Viscosity (Brookfield Sp 06, 50 rpm) approx. 8 – 10.000 mPa*s

Screen coating with 125 mesh screen or knife-over-roller coating

Drying 100 °C, Curing 150 °C / 1 min

Certifications

bluesign® approved

ZDHC MRSL compliant

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