

## Description

**RUCOGEN® UPCYCLE RNB** is a powerful anti-backstaining dispersing agent for numerous processes in denim washing where the redeposition of indigo shall be avoided efficiently. The fact that it is produced from rPET turns it highly contributive to a sustainable processline in jeans business.

## Performance Highlights

- most effective avoidance of backstaining by indigo
- highest dispersing power for unfixed indigo dyestuff
- versatile and suitable for many steps in denim garment processing
- stable and easy-to-dose formulation
- comfortable handling due to low viscosity

## Product Characteristics

Active substance: approx. 28 %

Ionic character: non-ionic

Appearance: clear to slightly turbid, colourless to yellowish, slightly viscous liquid

Technology: preparation of fatty alcohol ethoxylates and polymers from recycled PET

pH: approx. 4

Specific gravity: approx. 1.0 g/cm<sup>3</sup>

## Guideline Application and Recipe

**RUCOGEN® UPCYCLE RNB** is predominantly used for washing garments in classical drum washing machines and in closed drum washing machines with spray/fog/nebulization system for all treatment steps of jeans washing to reduce backstaining. **RUCOGEN® UPCYCLE RNB** is stable to the usual treatment conditions and does not impair the effectiveness of enzymes. It can be added to the liquor together with the other necessary products of process steps like desizing, stone-washing with enzymes, all-in-one desizing/stonewashing, bio-polishing, cleaning and neutralizing after bleaching steps.

0.5 - 1.0 g/l **RUCOGEN® UPCYCLE RNB**  
depending on the tendency to backstaining

are prediluted and added to the application liquor. Temperature, pH value and time depend on the process parameters.

## Certifications

bluesign® APPROVAL pending

GOTS 6.0 approval by ECOCERT Greenlife

ZDHC MRSL (2.0) compliant

ZDHC Gateway - Conformity pending

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

Suitable for the production of GRS (Global Recycled Standard) certified textile products

Contact us

[www.rudolf-group.com](http://www.rudolf-group.com)