

Technical Information

TEGOTEX® RT 2033

Product description

TEGOTEX® RT 2033 is a durable repelling treatment, free from fluorocarbons or any flammable liquids. It is based on a polyamide modified siloxane in dispersion.

Physical properties

| | |
|--------------------------|---------------|
| Appearance | Liquid, milky |
| Active matter | 33.3 % |
| Viscosity (25 °C) [mPas] | 100 – 200 |
| pH value | 6 – 7 |

Application

TEGOTEX® RT 2033 can be applied on many different types of fabrics including polyamide, polyester, cotton and blends.

Benefits

Formulations based on TEGOTEX® RT 2033 for the repellent treatment of fabrics provide the following benefits:

- It improves soil and water repellence on cotton and synthetic fibres
- Provides extraordinary hand feel on synthetic fibres
- Combines a good spray rating with minimal pick-up of water
- Gives a good durability for household washing machines
- On Polyamide TEGOTEX® RT 2033 shows some mineral oil repellence (Grade 1)
- Does not contain any Fluorocarbons or flammable liquids

Dosage/Handling

TEGOTEX® RT 2033 can be applied as a single component or in combination with other products by the exhaust method or by padding.

Due to its very small particle-size dispersion, TEGOTEX® RT 2033 is easily dispersible in water.

Dosage depends on the type of fabric and the required performance:

| Fabric | Area weight (g/m ²) | Bath concentration (g/l) | Pick-up (%) |
|------------------------|---------------------------------|--------------------------|-------------|
| Polyamide | 35 | 15 – 70 | 40 – 70 |
| Polyester (twill) | 170 | 50 – 150 | 40 – 70 |
| Polyester (plain) | 95 | 25 – 100 | 40 – 70 |
| Polyester/Cotton blend | 170 | 70 – 150 | 40–70 |
| Cotton twill | 205 | 70 – 150 | 70 – 90 |
| Cotton knit | 160 | 50 – 150 | 70 – 90 |

Drying: 105 °C for 2 min. with residence time

Baking: depending on the type of fabric, the baking time varies from 150 °C/3 min to 180°C/1 min without residence time.

The repelling performance can be enhanced if TEGOTEX® RT 2033 is combined with one or a mixture of the following auxiliaries to fine-tune the finishing treatment:

- REWOQUAT® W 75 H PG, 1-methyl-2-norhardtalowalkyl-3-hardtalow fatty acid-amidoethyl-imidazolinium-methosulfate
- REWOQUAT® WE 15 DPG, Di-(nor-oleyl carboxyethyl) hydroxyethyl methyl-ammonium methosulfate
- VESTANAT®B-Types, blocked polyurethane

Can be added at a level of <5% in addition of the recommended treatment. An example for optimization on PES (plain):

| | bath concentration | |
|---------------------|--------------------|--------|
| | A | B |
| TEGOTEX® RT 2033 | 100g/l | 97 g/l |
| REWOQUAT® W 75 H PG | – | 3 g/l |

Packaging

25 kg Can
1000 kg Container

Storage stability

TEGOTEX® RT 2033 as delivered can be stored between 10 and 40 °C in closed drums for at least 6 month after delivery.

TEGOTEX® RT 2033 must be protected against frost.

Hazardous goods classification

Information concerning

- classification and labelling according to regulations for transport and for dangerous substances
- protective measures for storage and handling
- measures in case of accidents and fire
- toxicity and ecological effects

is given in our material safety data sheets.

The product does not contain, as per recipe, any SVHC above the threshold limit of 0.1 %.

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