

Product Specification

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

On Cotton-blends:

- TEGOTEX® CS 0510
Di-(palm-carboxyethyl)-N-hydroxyethyl-Nmethylammonium-methyl-sulfate
- REWOQUAT® WE 18
- Di-(tallow carboxyethyl) hydroxyethyl methylammonium methosulfate.
- REWOQUAT® W 325 PG
Bis-(isostearic acid amidoethyl)-N-polyethoxy-Nmethyl ammonium methosulfate

On cotton:

- REWOQUAT® WE 18
- REWOQUAT® W 325 PG

Can be added at a level of 5-10 % in addition to the recommended treatment.

Product has to be stirred gently at low shear rate before use.

To avoid foam formation during processing, we recommend using an adequate stirring process. Furthermore DYNOL® 360 as foam destabiliser can be added, either in product or in fleet before processing.

	Product addition	Fleet addition
TEGOTEX® RT 2033	99.25 g	-
DYNOL® 360	0.75 g	0.1 g/l
TEGOTEX® RT 2033 dilution	-	100.0 g/l

Registration status

The components of TEGOTEX® RT 2033 are listed on the following inventories:

EINECS, TSCA, ESCS, China and TCSI

Packaging

25 kg can
1 000 kg container

Storage stability

TEGOTEX® RT 2033 as delivered can be stored between 5 and 35 °C in closed drums for at least 6 months after delivery.

TEGOTEX® RT 2033 must be protected against frost.

The Product needs to be homogenised with soft shaking and mixing, after delivery and storage.

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

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.

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