



BAT for oil and water-repellent finishes

SEVOPHOB FTU CONG. | FWU-8 | HFK-8 | HFU-8 | OW 27



Features and Benefits of Sevophob FTU CONC.

- ✓ Fluorocarbon resin for permanent water, oil and dirt-repellent finishing
- ✓ Beige emulsion with acidic reaction
- ✓ Solvent-free, non-flammable
- ✓ Can be diluted as required with cold soft water
- ✓ Hardness and alkali sensitive
- ✓ Generally compatible with resin finishing products; preliminary tests are recommended
- ✓ Very good water and oil-repellent effects are achieved
- ✓ Wash resistant
- ✓ Permanent effect with regards to dry cleaning

Composition

Fluorocarbon resin

Ionogenic characteristics

Slightly cationic

Areas of application

Sevophob FTU conc. is used for the permanent hydrophobic, oleophobic and soil release finishing of textiles made from cellulose and synthetic fibres.

The finishing effects achieved with Sevophob FTU conc. show excellent permanence with respect to household laundry and dry cleaning. By using Sevophob FTU conc. treated materials are given a slightly softer and fuller handle.



Application

In order to ensure that the appearance of the fabric is flawless, the article must be carefully pretreated and processing should be carried out with clean machines and equipment.

Residues of preparations, sizes, lubricants, softeners and alkalis, as well as residues of wetting and washing agents should be removed by appropriate washing and rinsing.

To remove residual surfactants, we recommend the following treatment:

1.0 g/l	Lavan BL
	pH 5 – 6
40 – 60°C	20 min.
	then rinse cold

Instructions for making solutions

Dilute **Sevophob FTU** with about twice the amount of cold water while stirring gently and then add to the application liquor, which is acidified (pH 4 – 5) with 1 ml/l of acetic acid (60%).

Quantities

Cellulose fibres	30.0 – 60.0 g/l	Sevophob FTU conc. pH 5 – 6 liquor pick-up approx. 60 – 80 % Dry Condense 150 – 160°C, 3 – 2 minutes
Synthetic fibres	15.0 – 40.0 g/l	Sevophob FTU conc. pH 4 – 5 liquor pick-up approx. 60 – 80 % Dry Condense 150 – 160°C, 3 – 2 minutes

Comments

The effect and the washing permanence can be increased by using 10 – 20% (based on the amount of FC resin) **Sevophob Aktivator FK**.

This can also reduce the temperature during condensation to 140°C.

In the event of penetration problems we recommend the addition of

1.0 – 2.0 g/l	TC-Schnellnetzer FTI
---------------	-----------------------------

It is important to add penetration accelerator to the liquor before the fluorocarbon resin.

Features and Benefits of Sevophob FWU-8

- ✓ Fluorocarbon resin for permanent water, oil and soil release finishing
- ✓ Beige emulsion with acidic reaction
- ✓ Solvent-free, non-flammable
- ✓ Can be diluted as required with cold soft water
- ✓ Hardness and alkali sensitive
- ✓ Generally compatible with resin finishing products; preliminary tests are recommended
- ✓ Very good water and oil-repellent effects are achieved
- ✓ Wash resistant
- ✓ Permanent effect with regards to dry cleaning

Composition

Fluorocarbon resin

Ionogenic characteristics

slightly cationic

Areas of application

Sevophob FWU-8 is used for the permanent hydrophobic, oleophobic and soil release finishing of textiles made from cellulose and synthetic fibres.

The finishing effects achieved with **Sevophob FWU-8** show excellent permanence with regards to household laundry and dry cleaning.



Application

In order to ensure that the appearance of the fabric is flawless, the article must be carefully pretreated and processing should be carried out with clean machines and equipment. Residues of preparations, sizes, lubricants, softeners and alkalis, as well as residues of wetting and washing agents, should be removed by appropriate washing and rinsing.

To remove residual surfactants, we recommend the following treatment:

1.0 g/l	Lavan BL
	pH 5 – 6
40 – 60°C	20 min.
	then rinse cold

Instructions for making solutions

Dilute **Sevophob FWU-8** with about twice the amount of cold water while stirring gently and then add to the application liquor, which is acidified (pH 4 – 5) with 1 ml/l of acetic acid.

Quantities

Cellulose fibres	30.0 – 90.0 g/l	Sevophob FWU-8 pH 4 – 5 liquor pick-up approx. 60 – 80% Dry Condense 150 – 160°C, 3 – 2 minutes
Synthetic fibres	15.0 – 60.0 g/l	Sevophob FWU-8 pH 4 – 5 liquor pick-up approx. 60 – 80% Dry Condense 150 – 160°C, 3 – 2 minutes

Comments

In the event of penetration problems we recommend the addition of

1.0 – 2.0 g/l	TC-Schnellnetzer FTI
---------------	-----------------------------

It is important to add penetration accelerator to the liquor before the fluorocarbon resin.

Features and Benefits of Sevophob HFK-8

- ✓ Highly concentrated fluorocarbon resin for permanent water, oil and soil release finishing
- ✓ Liquid, slightly milky emulsion
- ✓ Solvent-free, non-flammable
- ✓ Can be diluted as required with cold soft water
- ✓ Hardness and alkali sensitive
- ✓ Generally compatible with resin finishing products; preliminary tests are recommended
- ✓ Very good water and oil-repellent effects are achieved
- ✓ Wash resistant
- ✓ Permanent effect with regards to dry cleaning

Composition

Fluorocarbon resin

Ionogenic characteristics

slightly cationic

Areas of application

Sevophob HFK-8 is used for the permanent hydrophobic - oleophobic - and soil release finishing of textiles made from cellulose fibres, synthetic fibres and their blends.

The finishing effects achieved with Sevophob HFK-8 show excellent permanence with regards to household laundry and dry cleaning.



Application

In order to ensure that the quality of the fabric is flawless, the article must be carefully pretreated and processing should be carried out with clean machines and equipment. Residues of preparations, sizes, lubricants, softeners and alkalis, as well as residues of wetting agents and detergents, should be removed by proper washing and rinsing.

We recommend the following treatment to remove surfactant residues:

1.0 g/l	Lavan BL
	pH 5 – 6
40 – 60°C	20 min.
	then rinse cold

Instructions for making solutions

Dilute **Sevophob HFK-8** with about twice the amount of cold water while stirring gently and then add to the application liquor, which is acidified (pH 4 – 5) with 1 ml/l of acetic acid (60%).

Quantities

Cellulose fibres	20.0 – 50.0 g/l	Sevophob HFK-8 pH 4 – 5 liquor pick-up approx. 60 – 80 % Dry Condense 150 – 160°C, 3 – 2 minutes
Synthetic fibres	10.0 – 30.0 g/l	Sevophob HFK-8 pH 4 – 5 liquor pick-up approx. 60 – 80 % Dry Condense 150 – 160°C, 3 – 2 minutes

Comments

The effect and the washing permanence can be increased by using 20 – 30% (based on the amount of FC resin) **Sevophob Aktivator FK**. This can also reduce the temperature during condensation to 140°C.

In the event of penetration problems we recommend the addition of

1.0 – 2.0 g/l	TC-Schnellnetzer FTI
---------------	-----------------------------

It is important to add penetration accelerator to the liquor before the fluorocarbon resin.

Features and Benefits of Sevophob HFU-8

- ✓ Fluorocarbon resin for permanent water, oil and soil release finishing
- ✓ Beige emulsion with acidic reaction
- ✓ Solvent-free, non-flammable
- ✓ Can be diluted as required with cold soft water
- ✓ Hardness and alkali sensitive
- ✓ Generally compatible with resin finishing products; preliminary tests are recommended
- ✓ Very good water and oil-repellent effects are achieved
- ✓ Wash resistant
- ✓ Permanent effect with regards to dry cleaning

Composition

Fluorocarbon resin

Ionogenic characteristics

cationic

Areas of application

Sevophob HFU-8 is used for the permanent hydrophobic, oleophobic and soil release finishing of textiles made from cellulose and synthetic fibres.

The finishing effects achieved with **Sevophob HFU-8** show excellent permanence with regards to household laundry and dry cleaning.



Application

In order to ensure that the appearance of the fabric is flawless, the article must be carefully pretreated and processing should be carried out with clean machines and equipment. Residues of preparations, sizes, lubricants, softeners and alkalis, as well as residues of wetting and washing agents, should be removed by appropriate washing and rinsing.

To remove residual surfactants, we recommend the following treatment:

1.0 g/l	Lavan BL
	pH 5 – 6
40 – 60°C	20 min.
	then rinse cold

Instructions for making solutions

Dilute **Sevophob HFU-8** with about twice the amount of cold water while stirring gently and then add to the application liquor, which is acidified (pH 4 - 5) with 1 ml/l of acetic acid (60%).

Quantities

Cellulose fibres	30.0 – 90.0 g/l	Sevophob HFU-8 pH 4 – 5 liquor pick-up approx. 60 – 80 % Dry Condense 150 – 160°C, 3 – 2 minutes
Synthetic fibres	15.0 – 60.0 g/l	Sevophob HFU-8 pH 4 – 5 liquor pick-up approx. 60 – 80 % Dry Condense 150 – 160°C, 3 – 2 minutes

Comments

In the event of penetration problems we recommend the addition of

1.0 – 2.0 g/l	TC-Schnellnetzer FTI
---------------	-----------------------------

It is important to add penetration accelerator to the liquor before the fluorocarbon resin.

Features and Benefits of Sevophob OW 27

- ✓ Fluorocarbon resin for permanent water, oil and soil release finishing
- ✓ Beige emulsion with acidic reaction
- ✓ Solvent-free, non-flammable
- ✓ Can be diluted as required with cold soft water
- ✓ Generally compatible with resin finishing products; preliminary tests are recommended
- ✓ Very good water and oil-repellent effects are achieved
- ✓ Wash resistant
- ✓ Permanent effect with regards to dry cleaning

Composition

Fluorocarbon resin based on C-8 with crosslinker

Ionogenic characteristics

slightly cationic

Areas of application

Sevophob OW 27 is used for the permanent hydrophobic, oleophobic and soil release finishing of textiles made from cellulose and synthetic fibres.

The finishing effects achieved with **Sevophob OW 27** show excellent permanence with regards to household laundry and dry cleaning.

Sevophob OW 27 can be finished on one side, either using the foulard or padding process or with foam technology.



Application

In order to ensure that the appearance of the fabric is flawless, the article must be carefully pretreated and processing should be carried out with clean machines and equipment. Residues of preparations, sizes, lubricants, softeners and alkalis, as well as residues of wetting and washing agents, should be removed by appropriate washing and rinsing.

To remove residual surfactants, we recommend the following treatment:

1.0 g/l	Lavan BL
	pH 5 – 6
40 – 60°C	20 min.
	then rinse cold

Instructions for making solutions

Dilute Sevophob OW27 with about twice the amount of cold water while stirring gently and then add to the application liquor, which is acidified (pH 4 - 5) with 1 ml/l of acetic acid (60%).

Quantities

Cellulose fibres	30.0 – 50.0 g/l	Sevophob OW 27 pH 4 – 5 liquor pick-up approx. 60 – 80 % Dry Condense 150 – 160°C, 2 – 1 minutes
Synthetic fibres	20.0 – 40.0 g/l	Sevophob OW 27 pH 4 – 5 liquor pick-up approx. 60 – 80 % Dry Condense 150 – 160°C, 2 – 1 minutes

Comments

In the event of penetration problems we recommend the addition of

1.0 – 2.0 g/l	TC-Schnellnetzer FTI
---------------	-----------------------------

It is important to add a penetration accelerator to the liquor before the fluorocarbon resin. In the case of foam application, the liquor is usually applied at 2 – 3 times the concentration and using 2 g/l **TC-Stabifoam HEC** and 10 g/l **TC-Foamer AMO**. The recommended foam weight is 100 – 150 g/l.



Storage

Sevophob FTU conc. should not be stored above 40°C or below 0°C. Product changes due to exposure outside of this range are not reversible. When stored properly (approx. 20°C) in closed containers, the product is stable for at least 6 months.

Sevophob FWU-8 should not be stored above 40°C or below 0°C. Product changes due to exposure outside of this range are not reversible. When stored properly (approx. 20°C) in closed containers, the product is stable for at least 6 months.

Sevophob HFK-8 should not be stored above 40°C or below 0°C. Product changes due to exposure outside of this range are not reversible. When stored properly (approx. 20°C) in closed containers, the product is stable for at least 6 months.

Sevophob HFU-8 should not be stored above 40°C or below 0°C. Product changes due to exposure outside of this range are not reversible. When stored properly (approx. 20°C) in closed containers, the product is stable for at least 6 months.

Sevophob OW 27 should not be stored above 40°C or below 0°C. Product changes due to exposure outside of this range are not reversible. When stored properly (approx. 20°C) in closed containers, the product is stable for at least 6 months.

Further instructions for safe handling can be found in the safety data sheet.

The information and recommendations on our products reproduced here are based on extensive research and on our current practical experience in textile finishing. These are to be considered as non-binding advice - also with respect to third party property rights and foreign laws - and do not exempt users from testing the product and procedures for suitability for their own use. In particular, we assume no liability if used for purposes not expressly stated in writing by us. We reserve the right to make technical changes during product development. In the event of damage, we refer to our General Terms and Conditions of Sale and Delivery, Section 7.

