

Unisil OSE 50/43-17

Emulsion of mineral and silicone oils for dedusting and water repellent treatment

Description

Unisil OSE 50/43-17 – emulsion of a mixture of mineral oil and reactive polydimethylsiloxane in water.

Features

- Prevents the formation of fine dust during mineral wool production, thus improving the working conditions of the production staff;
- reduces the water absorption of mineral wool insulation, which improves their performance characteristics;
- reduces the harmful effects of dust on the human body during contact with mineral wool;
- increases elasticity of insulation boards;
- has high stability during the storage and also upon dilution with water.

Storage

Guaranteed shelf life of OSE 50/43-17 is 6 months at a temperature from 5 °C to 40 °C. Store in closed original containers of the manufacturer in cool, dry, well-ventilated place, protected from moisture and direct sunlight, away from heaters, also tanks with strong oxidizing agents.

When selecting a product, do not allow it to be kept in an open container for a long time. After partial withdrawal of the product, the container should be hermetically sealed.

Storage over the date specified on the label does not necessarily mean the product is unusable. In case if store more please check the properties of product before use.

Areas of application

Used for dust control and water repellency treatment of mineral wool products based on basalt and glass. To improve the hydrophobic properties, it is recommended to use it together with the SE 50-15L emulsion.

Methods of application

OSE 50/43-17 is applied by spraying together with binder and other additives.

Reprocessing of products after curing of the emulsion is not recommended.

The amount of applied emulsion OSE 50/43-17 depends on the desired properties of the end product, so no general advice can be given.

To determine the optimal amount please provide individual tests. Normally, the sufficient amount of emulsion is (0,6 - 1,2) % by weight of dry fibrous material.

How to use

As the shelf life of various mixtures depends on the content of binder and additives, no general advice on their compatibility can be given.

Always test the selected concentration of OSE 50/43-17 on the trial sample to determine the optimal amount of material and the suitability for use in a particular case.

Packing

- Polymer canisters up to 25 dm³;
- polyethylene drums up to 50 dm³;
- combined barrels (steel-polyethylene) 200 dm³;
- barrels polyethylene up to 220 dm³;
- special polymer containers up to 1 m³.

Safety instructions

Detailed instructions are given in the relevant product safety data sheet. It can be provided upon request from the Unisil Hungary Kft or printed from the website Unisil Hungary Kft www.unisil.eu.

Product specification

Appearance standardized	Homogeneous liquid free of mechanical impurities, color is not	organoleptically
Mass content of solids, %, at least	48	EN ISO 3251
Time of outflow at (20 ± 2) °C, s, measuring cup with an opening for outflow of 4 mm in diameter	30 - 150	EN ISO 2431
Stability on dilution, at least, hours	24	
Mass content of silicon, %, at least	1,9	

For more information you can request from your representative of Unisil Hungary Kft.

LIMITED WARRANTY INFORMATION PLEASE READ CAREFULLY

The information contained herein is accurate, but it does not relieve the customer from the control of each batch of products supplied. Since the conditions and methods of use of our products are beyond our control, the recommendations contained in this document should be updated by the client providing preliminary tests. Recommendations for use should not be construed as a guarantee of product suitability for a particular purpose. Unisil Hungary Kft only guarantees that the product meets its specifications in effect at the time of delivery.