

# Unisil OE 50-42

## Emulsion of mineral oil for dust control and water repellence treatment

### Description

Unisil OE 50-42 – emulsion of mineral oil in water.

### Features

- Prevents the formation of fine dust during mineral wool production;
- reduces the water absorption of mineral wool insulation;
- improves gas and water vapor permeability of the material;
- reduces the harmful effects of dust on the human body during contact with mineral wool;
- to increase the water repellency effect it is recommended to use mixed with the emulsion SE 50-12L.

### Storage

Guaranteed shelf life of OE 50-42 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 oxidants 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.

### 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](http://www.unisil.eu).

### 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.

### Precautions for 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 OE 50-42 (or mix of emulsions OE 50-42 and SE 50-12L) on the trial sample to determine the optimal amount of material and the suitability for use in a particular case.

### Methods of application

OE 50-42 is applied by spraying together with binder and other additives.

When application of the emulsion OE 50-42 together with the emulsion SE 50-12L the mixing ratio is one weight part of the emulsion SE 50-12L for 3 - 5 weight parts of the emulsion OE 50-42.

Reprocessing of fiberglass and mineral wool products after curing of the emulsion OE 50-42 (or mix of emulsions OE 50-42 and SE 50-12L) is not recommended.

The amount of applied emulsion OE 50-42 (or mix of emulsions OE 50-42 and SE 50-12L) 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 (or mix of emulsions OE 50-42 and SE 50-12L) is (0,6 - 1,2) % by weight of dry fibrous material.

### Packing

- Polymer canisters up to 25 dm<sup>3</sup>;
- polyethylene drums up to 50 dm<sup>3</sup>;
- combined barrels (steel-polyethylene) 200 dm<sup>3</sup>;
- barrels polyethylene up to 220 dm<sup>3</sup>;
- special polymer containers up to 1 m<sup>3</sup>.

## Product specification

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

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.