



## Silicone emulsion SE-50/12

### Emulsion of silicone oil for finishing and water-repellent treatment

#### Characteristics

Emulsion SE-50/12 – solvent-free aqueous emulsion of polydimethylsiloxane.

#### Features

- Reduces the water absorption of mineral wool insulation, thus improving their performance characteristics.
- To prevent the formation of fine dust during fibreglass or mineral wool production it is recommended to use the emulsion SE-50/12 mixed with the emulsion ME-50/42.
- The mixture of emulsions ME-50/42 and SE-50/12 accelerates and facilitates the installation of treated materials.
- The mixture of emulsions ME-50/42 and SE-50/12 reduces the harmful effects of dust on the human body during contact with mineral wool.

#### Applications

Finishing and water repellence treatment of mineral wool products based on basalt and glass.

#### Methods of application

SE-50/12 is applied by spraying together with binder and other additives.

When application of the emulsion SE-50/12 together with the emulsion ME-50/42 the mixing ratio is one weight part of the emulsion SE-50/12 for 3-5 weight parts of the emulsion ME-50/42. The mixture of emulsions is applied by spraying together with binder and other additives.

Reprocessing of fibreglass and mineral wool products after curing of the emulsion SE-50/12 (or mix of emulsions ME-50/42 and SE-50/12) is not recommended. The amount of applied emulsion SE-50/12 (or mix of emulsions ME-50/42 and SE-50/12) 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 SE-50/12 is at least 0,2% (or 0.6-1.2% for mix of emulsions ME-50/42 and SE-50/12) by weight of dry fibrous material.

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

#### Storage

Store at a temperature from +5°C to +30°C in original containers in cool, dry, well-ventilated place, protected from moisture and direct sunlight, away from heaters, also tanks with strong oxidants agents. Guaranteed shelf life in original container is 6 months.

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.

#### 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>.

#### Safety instructions

Please see detailed instructions in the relevant product safety data sheet, which can be provided upon request.

## Technical characteristics

NAME OF PARAMETER AND UNIT OF MEASURE	STANDARD
Appearance	Homogeneous liquid free of mechanical impurities, color white
Mass content of solids, %, min	48
Relative viscosity at temperature (20 ± 2,0) °C by viscometer VZ -246, nozzle diameter 4mm	30 - 150
Stability on dilution, hours, min	24
The reaction of medium (25% aqueous solution), pH	6,0 - 7,0
Mass content of silicon,%	18 - 22

To obtain more information please contact your nearest representative office of Silkor Ltd.

### 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.

Silkor Ltd only guarantees that the product meets its specifications in effect at the time of delivery.