



Silicone emulsion GKE 50-94M

Water-repellent agent for the surface and volumetric treatment of porous mineral bases.

Characteristics

Emulsion GKE 50-94M is a water emulsion of polymethyl hydride siloxane, free of solvents.

Properties

- Reduces capillary water absorption of treated surfaces.
- Impregnation with an emulsion prevents reduction of heat insulation properties of the material, long resistant to effect of different factors, including alternate freezing-thawing, as well as resistant to ultraviolet and infrared rays, alternate wetting and drying.
- Penetrates deeply into the pores without clogging them, maintaining vapour permeability of the material processed.
- Does not change the appearance of material treated.
- Non-toxic.

Applications

- Water repellent treatment of gypsum boards and blocks.
- For water repellent treatment of surfaces that absorb moisture, such as brick, concrete, natural building and ceramic products.

At volumetric treatment emulsion GKE 50-94M is added into mixing water to gypsum. To achieve sufficiently reduced water absorption use about 0,2 - 0,8% of the emulsion from the amount of dry gypsum, or 0,1 – 0,2% from the cement. The efficiency of emulsion GKE 50-94M depends on the qualitative and quantitative composition of material, so no precise advice

on dosage can be given. Always provide preliminary test to determine the optimal amount of emulsion GKE 50-94M.

At surface treatment emulsion GKE 50-94M is diluted with water immediately before use.

Standard dilution: for 1L of emulsion GKE 50-94M add 9 L of water. Diluted solutions can be applied by dipping, spraying or brush. Apply working solution on a dry, clean surface until absorbed, preventing drops.

Consumption depends on the porosity of the surface of the processed material.

Always test selected concentration of liquid on a small material sample to be sure in its suitability.

Storage

Store in original container at temperature from 0°C up to +30°C. Store in a cool, dry, well-ventilated place. Protect from direct sunlight and freezing.

Store away from oxidizers, strong acids, alkalis and other chemicals having alkaline reaction for example, ammonia, amines).

The shelf life in original container is 12 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

Special polymer containers up to 1 m³.

The container must be equipped with a safety valve.

Safety instructions

Please see comprehensive instructions in the relevant safety data sheet for the product that can be provided upon request.

Product specification

NAME OF PARAMETER AND UNIT OF MEASURE	STANDARD
Appearance	Emulsion of white or light gray color
Odor	Slight odor of acetic acid
Reaction of the medium, pH	3,0 – 5,0
Mass content of non volatile substance, %, min.	50,0

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.