

# SARSIL® G-50

Silicone emulsion for hydrophobization of gypsum based products

## PRODUCT DESCRIPTION

SARSIL® G-50 is a water-based, solventless emulsion based on reactive polysiloxanes.

## CHARACTERISTICS

No.	PROPERTIES	SARSIL® G-50
1.	Appearance	homogeneous, milky-white liquid
2.	Dilution	with water
3.	Density at 20°C	ca. 1,00 g/ml
4.	Active substance content	ca. 50%

## APPLICATION

SARSIL® G-50 is designed for hydrophobization of gypsum based products (stuccoworks, panel boards). The emulsion reduces water absorption of gypsum products to the level below 5% w/w.

SARSIL® G-50 consists of an active polymer, which chemically binds with the cement components, ensuring waterproof characteristic of the hardened mixture.

## APPLICATION METHOD

SARSIL® G-50 emulsion is designed for use as an additive to gypsum compound. Emulsion is added at a proportion of 0.2 – 0.5 parts to 100 parts of gypsum. Optimum application quantity should be determined by preliminary trials, because the effectiveness of the impregnation depends on the gypsum composition, the type of gypsum, the water /gypsum ratio and the presence of such additives like cellulose or starch in the gypsum compound. SARSIL® G-50 is an additive to the batched water. The emulsion should be mechanically stirred with water before making a gypsum mixture to obtain a homogenous mixture.

The use of Sarsil® G-50 for surface impregnation of gypsum stuccoworks is not recommended.

Sarsil® G-50 can accelerate setting time.

### SARSIL® G-50:

- ensures waterproof characteristic of gypsum products
- reduces water absorption below 5%
- significantly improves resistance to atmospherical and biological factors
- mixes very well with cement compound
- easy to use (one-component agent)

### Storage:

Store in original, tightly closed containers at temperature from +5 to + 30 °C. Protect against freezing!

### Warranty period:

12 months from the date of manufacture.

### Containers:

1, 5, 30, 200, 1000 kg

## Producer's notes

The information contained in this document is given in good faith based on our current knowledge. However, this shall not constitute a guarantee for any specific product features. Each user bears the full responsibility for making its own determination as to the suitability of product for its own particular purpose. Because actual use of product by the user is beyond our control, such use is within the exclusive responsibility of the user, and we cannot be held responsible for any loss incurred through incorrect or faulty use of the product. For more detailed information please contact us in writing or by phone.