

# POLSIL® AMO-50

Water silicone emulsion

## CHARACTERISTICS:

POLSIL® AMO-50 is solventless silicone water emulsion containing modified polysiloxane without content of VOC i.e. volatile organic compounds.

## TECHNICAL DATA

No.	PARAMETER	SPECYFICATION
1.	Appearance	milky-white liquide
2.	Dilution	with water (for surface hydrophobization)
3.	Density at 20°C	ca. 0,98 g/ml
4.	Content of active substance, %	ca. 50%

## APPLICATION:

POLSIL® AMO-50 is applied as an additive and binder in production of:

- dispersion silicone paints and plasters and silicate-lime emulsions
- synthetic resin and silicone resin base paints
- interior paints

and as a water- repellent agent for hydrophobization of porous building materials such as: cement-lime and acrylic plasters (in isolated systems), limewashes, sandstones, cellular concrete, gypsum blocks, roof tiles, silicate bricks etc.

## APPLICATION METHOD

POLSIL® AMO-50 as an additive to paints and plasters is used in undiluted form and should be used in final stage of the production or put as a binder in recipe of paint. As an additive is recommended to add in quantity of 0,5% to 5% depending on the expected hydrophobic effect. Exact amount should be chosen after performing own tests.

POLSIL® AMO-50 can be applied as water- repellent agent after dilution with water in the ratio 1:9 (1 part of POLSIL® AMO-50 and 9 parts of water).

## Preparation of substrate surface

The main condition of successful impregnation is careful preparation of the surface. The porosity of the surface should be uniform. The surface should be clean and degreased. New cement-lime plasters, acrylic plasters and concrete can be impregnated not earlier than 21-28 days after finishing construction work. The substrates repaired using plasters or putties of the PPC type can be impregnated after 6 days. It is recommended that the temperature during impregnation should be from +5 to +30°C and the weather should be good (without rains). Before starting the impregnation protect all surfaces which will not be impregnated (windows, metal parts, wooden parts, polished stone slabs etc.). In case of contamination immediately wash with petroleum (white) spirit or use agent Sarsil®-zmywacz produced in our Plant.

## Substrate treatment:

Impregnation can be performed by brushing or spraying. It is recommended to impregnate the surface twice with small intervals using the method "wet on wet". The second layer depending on the ambient temperature and porosity of the substrate should not be put later than 30 min after first impregnation when the surface is still wet. The treated surface should be impregnated accurately and homogeneously.

**POLSIL® AMO-50:**

- ensures water repellency of paints, plasters and impregnated building materials
- penetrates the substrate uniformly creating a protective layer which has a perfect resistance to atmospheric factors, UV radiation and numerous chemical conditions,
- does not change permeability („breathability”) of the substrate,
- does not change colour of the substrate, but gives more intensive natural colour of building material,
- exerts the effect of self-cleaning of buildings materials while raining, which helps to maintain the esthetic appearance for many years

**Attention!** During the application of POLSIL® AMO-50 safety regulations should be applied, as well as all safety rules and other recommendation described on the product label.

**Efficiency:**

7-15 m<sup>2</sup> from 1 kg of the emulsion diluted in recommended ratios with water and repeated surface treatment. The consumption of POLSIL® AMO-50 depends on the absorption of impregnated material and impregnation method.

**Storage:**

Product should be stored in original containers in dry places at temperature from +5 to +30°C.

Protect against freezing.

**Warranty period:**

6 months from the production date

**Packaging:**

1, 5, 30, 200, 1000 kg

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**Informacje producenta**

Informacje zawarte w niniejszej ulotce podane są w dobrej wierze i oparte są na naszej aktualnej wiedzy. Jednak podane informacje powinny być przed zastosowaniem najpierw sprawdzone w badaniach aby upewnić się czy produkt ten jest właściwy dla danego zastosowania. Ponieważ użycie produktu jest poza naszą kontrolą, dlatego odpowiedzialność za właściwe użycie spoczywa wyłącznie na użytkowniku. Nie ponosimy odpowiedzialności za niewłaściwe lub błędne użycie produktu. W celu uzyskania dodatkowych informacji prosimy zwracać się pisemnie lub telefonicznie.



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