

HIDROFAS SIL Z

*Decorative silicon- based mortar with scratched structure
Compliant to EN 15824*

FILED OF APLICATION

Hidrofas Sil Z is ready mixed silicon- based mortar used for decorative and protective final coating for concrete, mortar, flattered indoor and outside wall surfaces or as final layer in the thermo- insulation facades systems. Hidrofas Sil Z protects the surfaces from weather conditions, protects the substrate from damaging and enables easy maintenance of the facade surface.

PROPERTIES

- one component product;
- water repellent;
- vapor permeable;
- elastic;
- resistant and stable to weather conditions;
- resistant to mould, algae and lichens;
- excellent adhesion to the substrate;
- UV stable
- simple application;
- pigmented in different colours.

TECHNICAL FEATURES

PROPERTY	METHOD	DECLARED VALUE
Appearance	-	coloured paste
Density	EN ISO 2811-1	1,85g/cm ³
Vapor permeability	ISO 7782	V ₁ high
Water absorption	EN 1062-3	W ₃ low
Adhesion to the substrate	EN 1542	≥0,3MPa
Durability (resistance to freeze- thaw)	EN 1062-3	permeability level according to EN 1062-3 ≤0,5kg/(m ² *h ^{0,5})
Reaction to fire	EN 13501-1	Euroclass F
Drying time on 20°C, relative air humidity of 65%	-	touch dry after 3-4h dry after 24h
Gloss	-	matt

METHOD STATEMENT

SUBSTRATE PREPARATION

The substrate should be sound, clean, flat, without grease and dust, without labile parts, oil stains, salts and with fine texture.

New substrate

Mortar substrate is recommended to have fine final structure. Uneven surfaces would make the application complicated and the intended structure of the surface would not have the declared effect. New mortars and facade levelling compounds in normal conditions, on 20°C and relative air humidity of 65% should set at least one day for each mm of the thickness.

Old substrate

Remove all labile parts and old coatings off the old substrate. Existing damages should be repaired using suitable materials and the positions should be levelled with the surrounding surface. Before the application clean the substrate and remove the dust. To clean the substrate from mould, lichens or similar it is recommended to use water under pressure.

APPLICATION

Before the application of the decorative mortar, it is recommended to prime the surface using "structural" primer Hidrofas Grund. Apply Hidrofas Grund using brush, roller or by spraying in one layer. Apply Hidrofas Sil Z on 20°C with relative air humidity up to 65% 12h after the application of Hidrofas Grund. The temperature of the substrate should be between 5°C and 35°C and the relative air humidity less than 50-60%. Application on unfavorable weather conditions (rain, fog, strong wind) is not allowed.

Hidrofas Sil Z is ready mixed mortar. Before the application it is recommended to mix the product. Apply it using flat metal trowel. According to the porosity of the substrate and the weather conditions, treat the surface 10-15min after the application with circular movements using plastic trowel. Scratching of the surface can be horizontal, vertical or circular. Pot life of the product is 30min. In case the applied surface has protrusions that has been result from the application, it is necessary to press these positions and scratch them carefully with light movements using steel trowel. Protect treated surfaces from sun, strong wind, rain and dust with curtains 24h after the application.

MAINTENANCE

Surfaces with Hidrofas Sil Z doesn't need special maintenance. Dust and dirt, that are not mechanically adhered to the facade surface can be cleaned using broom, vacuum- cleaner or with water. Dust and dirt that are mechanically and chemically adhered to the surface can be removed carefully by rubbing of the surface using wet cloth or soft brush, or by using mild detergents. Afterwards wash the surface with water.

CONSUMPTION

Hidrofas Grund- 0.2-0.25 kg/m²

Hidrofas Sil Z- 3.0-3.5 kg/m²

CLEANING

Clean tools and equipment with water right after use.

PACKAGING

Hidrofas Grund- plastic cans 5 and 20kg

Hidrofas Sil Z- plastic cans 25kg

STORAGE

In original, closed packaging, in dry rooms, at temperature between 5°C and 30°C. Shelf life: 12 months.

STANDARD COLORS

White and transparent base for mixing in 250 colours from the standard chart of ADING.

CE

ADING A.D. - Skopje Novoselski pat (ul.1409) br.11, 1060 Skopje, R. Severna Makedonija 24	
EN 15824 HIDROFAS SIL Z Decorative silicon- based mortar with scratched structure	
Vapor permeability	V ₂ medium
Water absorption	W ₂ medium
Adhesive strength	≥ 0.3MPa
Durability (resistant to freeze- thaw)	permeability level according to EN 1062-3 ≤ 0.5 kg/(m ² ·h ^{0.5})
Thermal conductivity	ND
Reaction to fire	Euroclass F

Health hazards: Avoid contact of the product with skin (use protective gloves). Material is not toxic, but in case of accidental contact of the product with skin, immediately remove it using soap and water. In case it splashes into eyes, immediately rinse them using plenty of water and seek for medical help.

Fire: Hidrofas Sil Z is not tested to fire reaction.

Cleaning and storage: Clean loose residues of Hidrofas Sil Z with water. Old and used packaging should be disposed in accordance with the local rules and regulations for that type of waste. It is recommended to adjust the method of application and necessary quantities according to the potential of the building, as well as mandatory use of appropriate equipment.