

HIDROFAS KULIR

*Decorative acrylate- based mortar with colored marble granulates
for thin layer application of "kulir" facade
Compliant to EN 15824*

FILED OF APPLICATION

Hidrofaz Kulir is ready mixed acrylate- based mortar used for "kulir" facade application. It is used for decorative and protective final coating of concrete, mortar, flattered indoor and outside wall surfaces or as final layer of socle in the thermo- insulation facades systems. Hidrofaz Kulir protects the surfaces from weather conditions, protects the substrate from damaging and enables easy maintenance of the facade surface.

PROPERTIES

- two components product, simple to prepare and apply;
- long workability and pot time;
- water repellent;
- vapor permeable;
- elastic;
- resistant and stable to weather conditions;
- resistant to mould, algae and lichens;
- excellent cover layer;
- excellent adhesion to the substrate;
- UV stable;
- available in various textural colours.

TECHNICAL FEATURES

PROPERTY	METHOD	DECLARED VALUE
Appearance	-	A component- white liquid B component- colored marble granulate
Density	EN ISO 2811-1	1,7-1,8g/cm ³
Vapor permeability	ISO 7782	V ₂ medium
Granulate dimension	-	1,5mm
Drying time on 20°C, relative air humidity of 65%	-	touch dry after 3-4h dry after 24h
Reaction to fire	EN 13501-1	Euroclass F
Presistance to precipitation	-	after 3 days

METHOD STATEMENT

SUBSTRATE PREPARATION

The substrate should be sound, clean, flat, without grease and dust, without labile parts, oil stains, salts and with fine final texture. Suitable substrate for application of Hidrofaz Kulir is concrete, cement or cement- lime mortar, cement plates, thermal insulation of extruded or expanded polystyrene, flattered and reinforced with alkali free net. Application of Hidrofaz Kulir on wet substrate can cause damage of the applied mortar.

New substrate

Mortar substrate is recommended to have fine final structure. Uneven surfaces would make the application complicated and would increase the consumption of the material. 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 substrate. Existing damages should be repaired using suitable materials and the substrate should be levelled with the surrounding surface. Before the application clean the substrate and remove the dust. To clean the surface from mould, lichens or similar it is recommended to use water under pressure.

PREPARATION OF THE PRODUCT

Hidrofaz Kulir has two components. Mix A and B component with slow electrical mixer until it homogenizes. Mixing with fast rotations can cause foam in the product and difference in color shade. When applying on hot weather, it can be added maximum 3% clean water in the material and the product should be mixed until it homogenizes. Adding higher quantity of water can damage the application, outlook, function and durability of the facade.

Hidrofaz Kulir is available in three packages:

Hidrofaz Kulir A+B- 25/1- ready mixed mortar as factory prepared product

Hidrofaz Kulir A component- 7/1- polymer emulsion where colored marble granulate can be added. Fill 7kg Hidrofaz Kulir A component with 18kg granulate. When preparing, add first the granulate with smallest quantity and last the one with highest quantity in the mixture. Manual for mixing the textural colors from Ading color chart are defined in the chart.

Hidrofaz Kulir B component- 3/1- marble colored granulate. Mix 7kg Hidrofaz Kulir A component with 18kg Hidrofaz Kulir B component to form the product.

APPLICATION

Before the application of the decorative mortar, it is recommended to prime the surface using Prajmer V. Apply Primer V using brush, roller or by spraying in one layer. Apply Hidrofaz Kulir 30min after the application of Prajmer V, on 20°C when relative air humidity is up to 65%. 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.

Apply Hidrofaz Kulir using flat metal trowel starting from the bottom to the top of the surface for application. Thickness of the applied layer should be at least 1.5mm and it should be completely covered with the granulate. After the application, the uneven parts that have been made from the trowel application should be leveled using flat steel trowel with rounded edges. Strong rubbing of the applied material over the surface can result with color changes caused of scrapping the colored granulate. When the applied mortar will start to set it is not allowed additional treatment over the applied layer as well as contact with water.

When big quantity of material should be applied, it is recommended to equalize mixed material of few packings into a big bucket to avoid difference in shade of color over the applied surface. When one part of the mixed material is used, mix new packing and equalize the quantity again.

Pot life of the product is 60min on 20°C. Protect treated surfaces from sun, strong wind, rain and dust with curtains 24h after the application.

While Hidrofaz Kulir is fresh, it has whitish color, that become transparent after drying the surface. Textural color defined in Ading color chart is in compliance with dry mortar outlook.

MAINTENANCE

Surfaces with Hidrofaz Kulir 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 the surface with wet cloth, soft brush, or by using mild detergents. Afterwards wash the surface with water.

CONSUMPTION

Prajmer V- 0.15-0.20 kg/m²

Hidrofaz Kulir- 2.0-2.5 kg/m²

CLEANING

Clean tools and equipment with water right after use.

PACKAGING

Hidrofas Kulir, set A+B - 25kg
Hidrofas Kulir A component- plastic cans 7kg
Hidrofas Kulir B component- bag- 3kg

STORAGE

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

- Hidrofas Kulir A+B- 12 mounts
- Hidrofas Kulir A component- 12 mounts
- Hidrofas Kulir B component- unlimited

STANDARD COLORS

32 textural colours from the standard chart of ADING

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 Kulir is not tested to fire reaction.

Cleaning and storage: Clean loose residues of Hidrofas Kulir 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.