

# HIDROFAS-Z

*Acrylate emulsion-based decorative mortar with coarse-grained structure (2mm)  
In compliance with: EN 15824*

## Field of Application:

Hidrofaz Z is a ready-mix acrylate-based mortar used for decorative and protective finishing of concrete, rendered, skim coated internal and external wall surfaces or for finishing of facade thermal insulation systems. The application of Hidrofaz Z provides protection to the treated surface against weather phenomena, prevents the occurrence of surface damages on the substrate and enables easy maintenance of facade surfaces.

## Properties:

- one-component;
- watertight;
- vapour permeable;
- weatherproof;
- resistant to mould, algae and lichen;
- excellent coverage rate;
- excellent adhesion to substrate;
- UV stable;
- easy to apply;
- economical;
- can be mixed in various colours.

## Technical Features:

Properties	Method	Declared Value
Appearance	-	Colored paste-like compound
Volume mass when loose	EN ISO 2811-1	(1,7 - 1,8) g/cm <sup>3</sup>
Vapour permeability	ISO 7783	V <sub>2</sub> average
Water absorption	EN 1062-3	W <sub>2</sub> average
Adhesion to substrate	EN 1542	≥ 0,3MPa
Endurance (resistance frosting / defrosting)	EN 1062-3	Level od permeability in compliance with EN 1062-3 ≤ 0,5kg/(m <sup>2</sup> *h <sup>0,5</sup> )
Fire reaction	EN 13501-1	Euroclass F
Drying time at 20°C, relative humidity of 65%.	-	surface, by touch 3-4 hours complete drying: 24 hours
Gloss	-	matt

## Method of Application:

### Substrate Preparation

The substrate should be sound, dry, even, clean, grease- and dust-free, without unstable areas, free of oil stains and salts and with fine textured finish.

#### New substrate

In mortar substrates, it is recommended that mortars be traditionally levelled, having grain size of 1mm and with fine textured finish. Unevenness in the substrate makes the roughening of the decorative mortar more difficult. Newly placed mortar, as well as facade skins coats, at normal conditions, at temperature of 20°C and relative air humidity of 65%, should be allowed to mature for at least 1 day for each mm of thickness.

#### Old substrate

In old substrates, it is necessary that all unstable areas, as well as existing coatings, be removed. If there is any damage to the substrate, it should be repaired by using the appropriate materials and the area should be levelled. Prior to the application, it is mandatory that the substrate be cleaned and dusted. For easier removal of patches of moss, lichen, etc., it is recommended for the surface to be washed with hot water or to be steamed. Prior to the application of the decorative mortar, the surface should be primed with Primer V. The primer should be applied by using brush, roller or spray application. Placement of Hidrofas Z at temperature of 20°C and relative air humidity of 65% should be carried out 30 minutes after the application of the primer. Substrate temperature should be between +10°C and +35°C and air humidity should not exceed 80%. Application in adverse weather conditions (rain, fog, strong wind) is not permitted.

### Application

Hidrofas Z is a ready-mix mortar which is applied without prior preparation of the material. Immediately prior to the application, it is recommended that the material be slightly mixed. The material should be applied manually, by using a flat metal trowel. The surface should be treated by roughening, 10-15 minutes after the application on the substrate (depending of the porosity of the substrate and the weather conditions). It is treated by using a hard plastic trowel. The roughening of the surface can be performed by making horizontal, vertical or circular movements. The workability period of the material is 30 minutes. If projections are noticed during the application, which have appeared as a result of the roughening of the surface, it is necessary several minutes afterwards that these areas be compressed and retreated (roughened) with light movements by using a steel plastering trowel. The treated surfaces should be protected from sunlight, strong draught, rain and dust for a period of 24 hours following the application. The surfaces should be protected with curtains.

## Maintenance:

The surfaces treated with Hidrofas Z do not require special maintenance. The dust and dirt on the facade which is not mechanically linked to the treatment could be removed by using a broom, a vacuum cleaner or water. The dust and dirt on the facade which is mechanically and chemically linked to the treatment could be removed by soft rubbing of the surface with wet towel or a soft brush by using light-duty detergents, after which the area should be washed with clean water.

## Consumption:

Primer V	0,15 до 0,25 kg/m <sup>2</sup>
Hidrofas Z	3,0 до 3,5 kg/m <sup>2</sup>

## Cleaning:

The tools and equipment should be cleaned with water immediately after use.

## Packaging:

Primer V	plastic cans of 1, 5, 20 kg
Hidrofas Z	plastic buckets of 25 kg

## Storage:

In original packaging, at temperature between +5°C and +35°C and protected from exposure to direct sunlight. Shelf life: 12 months.

## Standard colours:

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

## CE mark:

CE	
ADING AD Skopje Novoselski pat (ul.1409) Br. 11, 1060 Skopje, R.Macedonia	
15	
EN 15824	
<b>HIDROFAS Z</b>	
Acrylate emulsion-based decorative mortar with coarse-grained structure	
Vapour permeability	V <sub>2</sub> average
Water absorption	W <sub>2</sub> average
Adhesive strength	≥ 0,3MPa
Endurance (resistance frosting / defrosting)	Level od permeability in compliance with EN 1062-3 ≤ 0,5kg/(m <sup>2</sup> *h <sup>0,5</sup> )
Thermal conductivity	Not determined
Fire reaction	Euroclass F

**Health hazards:** Avoid contact of the product with skin (wear protective gloves). The material is not toxic; however, in case of accidental contact, in the event of contamination of some areas of the skin, remove it immediately with water and soap. If the material splashes into the eyes, immediately rinse the eyes with plenty of water and seek medical advice.

**Fire:** Hidrofas Z is non-flammable.

**Cleaning and disposal:** Loose residues of Hidrofas Z should be cleaned with water. The old and used packaging should be disposed of in accordance with the local rules and regulations for that type of waste. We recommend that the method of application and the necessary quantities be adjusted to the conditions of the building, as well as mandatory use of appropriate equipment.