

HIDROFAS

*Acrylate emulsion-based decorative mortar with uniform structure
In compliance with: EN 998-1*

Field of Application:

Hidrofás 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 Hidrofás provides protection to the treated surfaces 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;
- available in grain sizes of: 1mm, 1.5mm and 2mm;
- can be mixed in various colours.

Technical Features:

Properties	Method	Declared Value
Appearance	-	Colored paste-like compound
Density	EN ISO 2811-1	Hidrofás, 1mm (1,7 - 1,8) g/cm ³ Hidrofás, 1.5mm (1,7 - 1,8) g/cm ³ Hidrofás, 2mm (1,7 - 1,8) g/cm ³
Vapour permeability	ISO 7783	V ₂ average
Water absorption	EN 1062-3	W ₂ average
Adhesion to substrate	EN 1542	≥ 0,3MPa
Endurance (resistance frosting / defrosting)	EN 1062-3	Level of permeability in compliance with EN 1062-3 ≤ 0,5kg/(m ² *h ^{0.5})
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 fine textured finish. Unevenness in the substrate makes the decorative rendering more difficult. Newly placed mortar, as well as facade skims 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 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 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 10-15 minutes after the application (depending of the porosity of the substrate and the weather conditions). Treatment should be performed by making circular movements with a hard plastic trowel. The workability period of the material is 30 minutes. If projections are noticed during the application, which have appeared as a result of the treatment of the surface, it is necessary several minutes afterwards that these areas be lightly compressed with light circular 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 do not require special maintenance. The dust and dirt on the facade which is not mechanically linked to the treatment, should 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 ²
Hidrofas 1mm	2,0 до 2,5 kg/m ²
Hidrofas 1.5mm	2,5 до 3.0 kg/m ²
Hidrofas 2mm	3,0 до 3,5 kg/m ²

Cleaning:

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

Packaging:

Primer V	plastic cans of 1,5, 20 kg
Hidrofas 1mm	plastic buckets of 25 kg
Hidrofas 1.5mm	plastic buckets of 25 kg
Hidrofas 2mm	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	
HIDROFAS 1	
Acrylate emulsion-based decorative mortar with	
coarse-grained structure	
Vapour permeability	V ₂ average
Water absorption	≥ W ₂ average
Adhesive strength	0,3MPa
Endurance (resistance frosting / defrosting)	Level of permeability in compliance with EN 1062-3 ≤ 0,5kg/(m ² *h ^{0,5})
Thermal conductivity	Not determinated
Fire reaction	Euroclass F

CE	
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EN 15824	
HIDROFAS 1,5	
Acrylate emulsion-based decorative mortar with coarse-grained structure	
Vapour permeability	V ₂ average
Water absorption	≥ W ₂ average
Adhesive strength	0,3MPa
Endurance (resistance frosting / defrosting)	Level of permeability in compliance with EN 1062-3 ≤ 0,5kg/(m ² *h ^{0,5})
Thermal conductivity	Not determinated
Fire reaction	Euroclass F

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EN 15824	
HIDROFAS 2	
Acrylate emulsion-based decorative mortar with coarse-grained structure	
Vapour permeability	V ₂ average
Water absorption	W ₂ average
Adhesive strength	≥ 0,3MPa
Endurance (resistance frosting / defrosting)	Level of permeability in compliance with EN 1062-3 ≤ 0,5kg/(m ² *h ^{0,5})
Thermal conductivity	Not determinated
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 is non-flammable.

Cleaning and disposal: Loose residues of Hidrofas 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.