

# ADINGFAS Z

*Polymer cement-based decorative render with coarse grained structure (2 mm)  
In compliance with: EN 998-1*

## FIELD OF APPLICATION

Adingfas Z is a ready-mix mineral-based render used for decorative and protective finishing of concrete, rendered, and skim coated internal and external wall surfaces, or for finishing of facade thermal insulation systems.

## PROPERTIES

- One-component;
- Vapour permeability;
- Resistant to mould, algae and lichen;
- Excellent coverage rate;
- Excellent adhesion to substrate;
- UV stable;
- Easy to apply;
- Economical;
- White colour.

## TECHNICAL FEATURES

PROPERTY	METHOD	DECLARED VALUE
Appearance	-	White mortar
Strength under pressure 28 days later	EN 1015-11	CS II of 1,5-5N/mm <sup>2</sup>
Vapour permeability	EN 1015-19	$\mu \leq 15$
Thermal conductivity	EN 1756	$\lambda = 0,41 \text{ W/mK}$ at P=50% $\lambda = 0,47 \text{ W/at}$ P=70%
Curing time at +20°C and relative humidity of 65%	-	surface, by touch 6-8h complete curing 24h

## METHOD OF APPLICATION

### SUBSTRATE PREPARATION

The substrate should be sound, dry, even, clean, grease-free 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 for mortars to have fine textured finish. Unevenness in the substrate makes the decorative rendering more difficult and the effect of the expected structure would not be obtained. At normal conditions, at temperature of +20°C and relative air humidity of 65%, the newly placed mortar, as well as facade skims coats, 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 any damage to the substrate is present, it should be repaired by using appropriate materials and the area should

be levelled. Prior to the application, the substrate be cleaned and free of dust. For easier removal of patches of moss, lichen, etc., it is recommended for the surface to be washed with water under pressure.

### APPLICATION

Prior to the application of the decorative render, it is recommended first to apply structured substrate Hidrofas Grund. Hidrofas Grund is applied in one layer, by using a brush, roller or spraying. The application of Adingfas, at temperature of +20°C and relative air humidity of 65% is carried out 12 hours after the application of the Hidrofas Grund. Substrate temperature should range between +10°C and +35°C and air humidity should not exceed 50-60%. Application in adverse weather conditions (rain, fog, strong draught) is not allowed.

Adingfas Z is powder mortar which is prepared by adding water and mixing it with a slow mixer until a completely homogenous mixture is obtained. The material should be allowed to stand still for 10 - 15 minutes and stirred immediately prior to the application. The material is applied manually, by using a flat metal trowel. The substrate is treated with rendering, 10 – 15 minutes following the application (depending on the porosity of the substrate and the weather conditions). The rendered structure of the surface is obtained by using hard plastic trowel, while making horizontal, vertical or circular movements. The open period of the material is 30 minutes. If projections are noticed during the application, which have appeared as a result of the movements, i.e. treatment of the surface, it is necessary that these areas are compressed and retreated (rendered) with light movements by using a steel trowel, a few minutes following the rendering. 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.

It is recommended that the external surfaces treated with Adingfas are impregnated using Fasil V, or treated with colour primer Adingkolor F, to provide waterproofing of the treated surfaces.

### MAINTAINANCE

The surfaces treated with Adingfas and impregnated with Fasil V or treated with colour primer Adingkolor F do not require special maintenance, that is, the dust and dirt on the façade could be removed with water or by using a broom.

### CONSUMPTION

Hidrofas Grund - 0.20-0.25 kg/m<sup>2</sup>  
Adingfas Z - 3.0-3.5 kg/m<sup>2</sup>

### CLEANING

The tools and equipment are cleaned with water, immediately after use.

### PACKAGING

Hidrofas Grund: plastic containers of 25 kg  
Adingfas Z: in valve bags of 25 kg

### STORAGE

In closed, original packaging, in dry area. Shelf life: 12 months.

**Health hazards:** Avoid contact of the product with skin (use protective gloves). The product is not toxic. However, in case of an unexpected contact and contaminated skin areas, rinse it immediately with soap and water. In case of contact with eyes, rinse it immediately with plenty of water and seek medical assistance.

**Fire:** Adingfas Z is a non-flammable liquid. Additional information is provided in the Safety Data Sheet of the product.

**Cleaning and disposal:** Loose residues of Adingfas Z should be cleaned with water. Old and used packaging should be disposed of in accordance with local rules and regulations for that type of waste.

We recommend that the methods of application and necessary quantities are adjusted to the conditions of the building, as well as use of appropriate equipment.