

# ADINGFAS-Z

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

## Field of Application:

Adingfas Z is a ready-mix mineral-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.

## Properties:

- one-component;
- vapour permeable;
- weatherproof;
- resistant to mould, algae and lichen;
- abrasion resistant;
- excellent coverage rate;
- excellent adhesion to substrate;
- UV stable;
- easy to apply;
- economical;
- white colour.

## Technical Features:

Properties	Method	Declared Value
Appearance	-	White mortar
Density	-	(1,3 - 1,5) g/cm <sup>3</sup>
Vapour permeability	EN 1015-19	$\mu \leq 15$
Water absorption	EN 1015-18	W <sub>2</sub> low
Adhesion to substrate	EN 1015-12	> 0.5MPa; FP-B
Thermal conductivity	EN 1745	$\lambda = 0,46$ (W/mK) on P=50% $\lambda = 0,53$ (W/mK) on P=90%
Compressive strength at 28 days	EN 1015-11	CS II
Fire reaction	EN 13501-1	Euroclass F
Drying time at 20°C, relative humidity of 65%.	-	surface, by touch 6-8 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 are traditionally levelled, having grain size of 1mm and with fine textured finish. Unevenness in the substrate makes the roughening of decorative mortar 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 Adingfas 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

Adingfas Z is a mortar in powder form which is prepared by adding water and mixing it with a slow mixer until a completely uniform mixture is obtained. The material should be allowed to be still for 10 - 15 minutes and it should be slightly mixed prior to its placement. The material should be applied manually, by using a flat metal trowel. The surface should be treated by roughening 10 – 15 minutes following the application (depending of the porosity of the substrate and the weather conditions). A hard plastic trowel is used for roughening the surface and the treatment may be performed by making horizontal, vertical and 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 (treatment) 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.

**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:** Adingfas-Z is a non-flammable powder.

**Cleaning and disposal:** Loose residues of Adingfas-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.

## Maintenance:

The surfaces treated with Adingfas 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, vacuum cleaner or water. The dust and dirt on the facade which is mechanically 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	0,15-0,25 kg/m <sup>2</sup>
Adingfas - Z	3,0-3,5 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
Adingfas-Z	in kraft paper bags of 25 kg

## Storage:

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

## Standard colours:

White

## CE mark

CE	
ADING A.D. - Skopje Novoselski pat (ul. 1409) no. 11, 1060 Skopje, Republic of Macedonia 15	
EN 998-1 <b>ADINGFAS-Z</b> Cement-based, polymer-modified, decorative mortar with rough texture	
Compressive strength at 28 days	CS II
Adhesion and type of rupture	>0,5MPa; FP-B
Capillary absorption of water	W <sub>2</sub> ниска
Water vapour permeability rate	μ ≤ 15
Thermal conductivity	λ=0.46 (W/mK) at P=50% λ=0.53 (W/mK) at P=90%
Fire reaction	Euroclass F