

HIDROMAL ELASTIFIKATOR

Polymer emulsion for improving the elasticity of waterproofing and cement mortars

FIELD OF APPLICATION

Admixture which improve the elasticity of cement mortars and cement waterproofing. In combination with Hidromal (as component B) it is intended for construction of two-component waterproofing on a cement base in buildings exposed to positive and negative hydrostatic pressure in underground concrete structures, for construction of internal and external waterproofing, basement wall and floor surfaces, swimming pools, ducts, manholes, sanitary facilities, kitchens, etc.

TECHNICAL FEATURES

PROPERTY	METHOD	DECLARED VALUE
Appearance	-	white liquid
Density	-	0,95-1,05 g/cm ³
pH factor	-	7,0-9,0

METHOD STATEMENT

SUBSTRATE PREPARATION

The substrate should be sound, clean, solid and stable, without cracks, labile parts, existing coatings, grease or dust. Substrate for application of waterproofing should be cement mortar or concrete. Before applying the waterproofing, it is necessary to apply a primer of Hidromal and Hidromal Elastifikator on the substrate.

APPLICATION

For preparation of the primer:

Hidromal : Hidromal Elastifikator : water = 25 : 5 : (2.8 - 3.50)l

For preparation of waterproofing coating:

Hidromal : Hidromal Elastifikator : water = 25 : 5 : (2.25 - 3.25)l

Mix the material with a slow mixer until completely homogenization, after which it is left to rest for 5-10 minutes. Mix again before application. The application is in three layers with a brush, with a total layer thickness of up to 1 mm. Apply the next layer on completely dry layer, in normal direction of 90°C to the previous. According to the temperature, the period of time between two layers should be between 6-24h. In case of high temperatures, the surface must stay wet during this period. The surfaces exposed to direct sun must be covered with continuously wet textile or geotextile. Protect the surfaces of rain, snow, wind and freezing in period of 48h after the application. The temperature during the application should be between 10-35°C.

In case of mechanical damage of the waterproofing, simple correction is possible by removing the damaged parts and re-coating the surface.

For protection of the waterproofed surfaces, it is necessary to mechanically protect them with expanded polystyrene or cement mortar

CONSUMPTION

Total consumption for three layers: 2-3 kg/m²

Hidromal: 2,5 kg

Hidromal Elastifikator: 0,5 kg

CLEANING

Tools and equipment should be cleaned with water, immediately after use.

PACKAGING

Plastic bottle: 1,0 kg

Plastic bucket: 5,0 kg

STORAGE

In original, closed packaging, in dry spaces, at temperature between 5-35°C, protected from direct exposure to sunlight and freezing. Shelf life: 12 months.

Health hazards: Hidromal Elastifikator does not contain toxic substances, but nevertheless it is necessary to be careful that the material does not come into contact with the skin, eyes or be swallowed. 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. In case the product is swallowed seek for medical help.

Fire: Hidromal Elastifikator is not flammable.

Cleaning and storage: Clean loose residues of Hidromal Elastifikator 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. Additional information are provided in the Safety Data Sheet of the product.