

## **MOMENTUM FN 25 Heat Insulation Plaster**

### **Product description**

Cement based, expanded glass bead granule filled, polymer reinforced, special ,exterior and interior thermal insulation plaster.

### **Scope of application**

Concrete, reinforced concrete, brick, pumice, aerated concrete, gypsum board, betopan, OSB, restoration of old buildings and works, interior and exterior insulation of buildings.

### **Benefits**

Momentum FN25 thermal insulation plaster is used in interior and exterior facades. The expanded glass bead is formed by supporting with aggregate hydraulic binder and 99% natural raw materials providing superior performance; It is an ecological insulation plaster that provides heat, sound and fire insulation. Does not form heat bridges. A1 class non-flammable, breathable material. Due to its low density, it does not put any load on the structures. It does not contain carcinogenic substances. Provides sound insulation. It is resistant to acid rain, prevents moisture and moisture and prevents mold and fungus formation. It does not undergo chemical degradation, it is equivalent to the life of your building.

- Class A1 Fireproof
- High Thermal Insulation Value
- Hydrophobic
- Sound Dampening
- Mold and Mildew Resistant (breathing)
- No additional space during application (Provides extra insulation as 15%, compared to other insulation products)
- Water Mix Only
- Easy Application
- Worker Saving (Ability to finish work at once, 100% easier, faster and workforce economy compared to other application systems)
- Environmentally Friendly
- It is composed of inorganic and natural material
- ;Momentum FN25 Heat Insulation Plaster Life=Building Life
- Silica Free

### **Surface preparation**

- The surfaces to be applied must be dry and clean. If the application surfaces are damaged, they must be removed before plastering.
- If the application surface is old and painted; surface notched and swollen all parts should be removed from the ground. Adhesion enhancer, Gross concrete primer should be applied to the surface after cleaning and repair (MOMENTUM CORSE PRIMER-0,250 / m<sup>2</sup> 2 layer)
- If the surface to be applied is old and black plaster; If the floor is swollen by checking, or if there is an under plaster space, after removing these, adherence enhancing concrete primer should be applied (MOMENTUM CORSE PRIMER-0,250 / m<sup>2</sup> 2 layers)
- If the surface to be applied is gross concrete; adherence enhancer must be applied to the surface (MOMENTUM CORSE PRIMER-0,250 / m<sup>2</sup> 2 coats) and then a cement-based adhesive is applied in the form of a thin layer and heat insulation plaster should be applied.

NOTE: if the application area is very large on the concrete and gross concrete surfaces, the use of the net is eliminated.

Note: columns and beams ; before application surface should be plastered by quality adhesive (cement based)  
Note: The surface should be washed with pressurized water before application

### Preparation of plaster

One bag of Momentum FN25 (or half of it by adding sufficient amount of water) is poured into the container where the mixture will be made and 14,0-15,5 liters of water is added and mixed with the mixer for 6-8 minutes. It is recommended that we mix all the bags at the same time before the mixtures are prepared. The prepared mixture should be used within 2 hours. Prepared mixtures are applied to the surface with a trowel or machine.

NOTE: If there is a wait, the material should be used after mixing well.

NOTE: Recommended to apply two layers

### Application temperature

Momentum FN25 uygulama in the application environment temperature +5 °C , +35°C.

NOTE: if the temperature is more than 35 degrees, the surface to be treated should be diluted and after the first application, two applications should be done after the surface has been diluted.

### Application

The wall surfaces to be applied should be cleaned and if there are defects on the surfaces, these defects should be removed. Anodes are mounted at regular intervals on the building surface. The previously prepared material is filled with steel trowel or plastering machine between the anodes. Then, the plaster is taken to the anodic condition by correcting the plaster with excess gauge. With a steel trowel, the surface is given a decorative texture or a smooth appearance. Approximately 48 hours after the application, if desired, paint works

Note: The material will be protected by decorative plaster and silicone paint (Elasticote WP) or elastomeric waterproofing coat (Hitech Elast).

Note: Surface must be smooth, will be painted Elasticote WP (waterproofing paint)

Note: In new buildings, there may be some ground settlement related to the ground structure in which may cause fine cracks at the joint, for this we recommend applying mesh to the joints and application columns and beams should be with mesh.

### Material consumption

4,5-5,0 kg on 1 m<sup>2</sup> surface for 1 cm thickness.

1 bag = for 20kg, 2,00-2.20 m<sup>2</sup> for 2 cm thickness

### Storage conditions

+5 ° C and above in dry environment without contact with water.

### Packaging

20 kg kraft paper bags.

### Shelf life

12 months in dry and rubless language.

<b>TECHNICAL SPECIFICATIONS</b>	
EN 998-1 (T,A1,CSII,FP:B,W1,T1)	
Appearance: White	
Dry Density: 450 ± 100 kg/m <sup>3</sup>	EN 1015-10
Thermal Conductivity: T1 , <0.10 W/mK	EN 1745
Compressive Strength: CSII ≥1.50 N/mm <sup>2</sup>	EN 1015-11
Bond Strength: > 0,30 N/mm <sup>2</sup>	EN 1015-12
Water Absorption: W1 ≤ 0,40 kg/ m <sup>2</sup> min 0.5	EN 1015-18
Vapor Diffusion: ≤15μ (5-6)	EN 1015-19
Fire Resistance: CLASS A1; FIREPROOF	EN 13501-1+A1
Atmospheric Ambient Strength: Resistant	
Readiness Time to Paint: 48 Hours at appropriate ambient	
Application Temperature Range: (+5°C) - (+35°C)	
Pot Life: 3,5-4 hour	
Dry Time: First dry 12 hour , last dry 48 hour , test dry 28 day	
Note: Application between coats 12 hours	
Mixing Ratio: 14,5-15,5 lt water / 20 kg powder	
Application Type: Manually or with Machine	
Storage Time:12 month (at appropriate ambient)	
Consumption : (for 1 cm Thickness ) : 4,50-5,00kg / m <sup>2</sup> 1 Bag =20 kg , (for 2,0cm Thickness): 2,00 m <sup>2</sup> ± %5	

#### HEALTH AND SAFETY INFORMATION

Refer to the instructions specified in the harmfulness and precautionary statements on the product packaging. Product of the safety data sheet should be treated by the rules. Refer to the nearest health facility for unexpected health problems.

#### LEGAL NOTES

All the information and guidelines given in this technical sheet was formed and developed through the experience in the laboratories of Momentum, and was systematically collected by our field engineers. "Momentum" has the right to make changes in the product where necessary, without notice. The information given above is valid for the product from the date of publication. It is the user's responsibility to verify the accuracy of the information. The product should be used based on the technical information form for their commended purpose. It is the responsibility of the users to implement all measures for the fulfillment of the specified requirements. The data in the technical information form is designed to give descriptions of the product performance, under specific test conditions. An important factor in product performance is the variables that may occur in the initial process which should be used as a general guide to the user. Any unauthorised use of this product not covered in the written guidelines, Momentum will not be held legally responsible. It is always the responsibility of the user to take all necessary precautions regarding specific requirements of the law set out in local and national legislation. Follow the rules of the safety information provided in the Safety Data Sheet regarding operating procedure of the product, protective equipment, storage, fire and first aid etc. Conditions regarding the use of this product after its end date has no warranty. We can not accept responsibility for products past their expiry date. Responsibility can not be accepted. Please contact the Technical Service department for more detailed information about