



# **GYPSUM PLASTER WITH PERLITE**

**BMT Gypsum Plaster with Perlite can be applied easily to brick, concrete, bims block and concrete like surfaces.**

**Easiness to the foreman and economy to the contractor with direct application to bricks and similar surfaces...**



## GYPSUM PLASTER WITH PERLITE



### PREPERATION OF THE APPLICATION SURFACE

- The surface should be totally cleaned from dust, dirt and oil
- The holes and cracks on the surface should be repaired beforehand
- The surface should be wetted according to the water absorption capacity
- In very hot weather, with surfaces like concrete and exposed concrete which are more water absorbent, the wetting should be done according to its rules
- The form oil should be totally cleaned in exposed concrete surfaces

### PREPERATION OF GYPSUM PLASTER MORTAR

- The container to be used in the preparation of the mortar should be cleaned from the remains of earlier plaster mixture(s)
- The mortar is prepared with the water/gypsum ratio of 6-6,5 litres to 10 kg
- First water should be put into the container. Later, gypsum plaster is added. Two minutes of waiting is required for the gypsum plaster to absorb water
- The mould is homogenized by blending it with a hand mixer or trowel
- In order to prevent polarization, water or plaster should not be added to the mix during or after blending.



### APPLICATION OF GYPSUM PLASTER MORTAR

- The application thickness should be determined by controlling the smoothness of the surface and by using aluminium guide profiles
- The application thickness should be a minimum of 8 mm and a maximum of 2.5 cm at one layer. If second layer is required, the application should be made before the initial set of the first layer is observed
- Gypsum plaster with perlite is applied by using a trowel and plaster shovel. The surface is smoothed with an aluminium float, and the excess of the mortar is taken off
- Approximately 1 hour later, when the plaster is hard enough, a steel trowel is used in order to eliminate burrs and smoothen the surface
- Before paint, the final shape is given to the plaster by finishing with BMT Saten Finishing Gypsum Plaster

### APPLICATION RECOMMENDATIONS

- A suitable plaster net should be used for unification parts of different materials
- During application, the area should be a minimum of +5°C and a maximum of +35°C
- The newly formed plaster surface should not be dried by using heaters etc. The correct way of drying is to ventilate the area. In this way, each part of the plaster dries evenly.
- The gypsum plaster surface should be protected from wind to prevent rapid drying
- Metal surfaces should be protected against rust before application. In exposed concrete ceilings and walls; chiselling, primer plaster or lining with chemicals is recommended.

### Technical Specifications

Working Time	: 80 minutes
Setting Time	: 170 minutes
Compressive Strength	: >2,5 N/mm <sup>2</sup>
Flexural Strength	: >1 N/mm <sup>2</sup>
Adherence Strength	: >0,3 N/mm <sup>2</sup>
Dry Surface Hardness	: min. 40 shore D

### Consumption

For 1 cm application thickness, approximately 9-10 kg/m<sup>2</sup> consumption

### Packaging

35 kg polypropylene packs