

GTL 30

LIGHTWEIGHT THERMAL INSULATION FLOOR SCREED 5-20 cm

Lightweight thermal insulating filling - leveling of floors.

Description: Ready mortar based on Portland grey cement, white marble aggregates, special additives to improve adhesion to difficult surfaces and improve its flow properties, and polystyrene grains which provide thermal insulation and reduce the burden. It does not contain lime. Simply mix with water. It minimizes material preparation time and increases the speed of application.

Usages : Use it for filling, leveling and sloping of floors, to create a final surface ready for fixing ceramic tiles, marbles or granites. Suitable to use both indoors and outdoors (balconies, roofs, flat-roofs, etc.). It does not crack. It does not affect pipes. It provides considerable thermal insulation and due to its lighter weight, it can be used in cases where thicker filling is required. The recommended minimum application thickness is 5 cm. Only under the supervision of an experienced applicator, the product can be applied in smaller thicknesses, down to 2 cm. It is not recommended for industrial facilities (e.g. warehouses), parking areas, and in general wherever there may be heavy loads and high strains.



Advantages:

- Lightweight - Thermal insulating
- Excellent adhesion
- Moisture- and frost-proof
- Prevents cracking
- Excellent final surface
- Indoor and outdoor use
- Easy to apply
- Excellent workability
- Fast to prepare
- Stable quality

Packaging /distribution :

- Bags of 40 kg.
- Palette of 1350 kg, 45 paper bags of 30 kg.
- In bulk in a silo with a capacity of 12 - 18 - 22 m³.


Storage: 12 months from the date of production in unopened package, in a dry place.

Safety precautions : This product contains cement and reacts as alkaline with moisture, so it is classified as irritant. It must be used with care according to the instructions for use. In order to avoid any injuries due to alkalis of the cement, wear gloves, protective glasses and avoid breathing the dust. Please consult the SDS of the product.

Specifications : **EN 13813 (CT-C5-F1)**

TECHNICAL DATA:

Grading :	3 mm
Apparent density of dry mortar:	1250 Kg/m ³
Density of fresh mortar:	1600 Kg/m ³
Density of hardened mortar:	1500 Kg/m ³
Thermal conductivity λ:	0,482 W.m ⁻¹ .K ⁻¹
Compressive strength in 28 days:	≥5.0 MPa (EN 13892-2)
Flexural strength in 28 days:	≥1.5 MPa (EN 13892-2)

 12 DoP: 051 MARMO-CPR
NORDIA S.A. 364 Kifissias Av., 15233 Chalandri, Athens/ Greece
EN 13813:2002 MARMOLINE GTL 30 Floor lightweight cement screed
Release of corrosive substances: CT Compressive strength: C5 Flexural strength: F1 Thermal resistance: R= 0,209 m ² .K.W ⁻¹ Reaction to fire: Class F

APPLICATION:

Mixing ratio:	5 - 6 lt of water /bag of 30 kg
Consumption:	Approx. 12 kg of mortar per m ² , for 1 cm of thickness

- Application mode:**
- Make sure that the surface is clean, stable, free of dust, grease etc.
 - Mix by means of a cement mixer or the special machines supplied by MARMOLINE, with the necessary quantity of water, until a homogeneous mixture is obtained.
 - The quantity of added water depends on the desired fluidity
 - To make inclinations reduce the quantity of water
 - Spread the wet mortar and level it by using a T-shaped lath
 - Level each room separately by fixing 1cm-thick wooden laths at the doors
 - Remove the laths and do not fill the joints that are formed
 - It is recommended to create expansion joints per 20 m² of surface
 - Step on the floor after at least 12 hours and fix tiles or marbles after 48 hours, depending on the prevailing weather conditions

ATTENTION:

- It is not recommended for application in areas of industrial uses, in parkings, and generally in places where big loads are expected
- The content of the bag should be protected from humidity
- Do not add excessive amounts of water because this can reduce the product's strength and cause cracks
- Not recommended for use in extreme weather conditions (frost or heatwave). Application temperature +5°C to +35°C
- If a pump is used, properly clean the elastic components after the end of operation

The above application guidelines are indicative, for the correct use of the product. For more technical details please contact the company's technical department.

We guarantee the quality of all our products, on the basis of their technical specifications, as described in the Declaration of Performance (CE) and this technical data sheet. Such guarantee refers only to the products that we deliver for use and never to its application or final result, which largely depend on the experience and quality of work of each user and on the application conditions. The user is advised to test the product on a small scale, and if he is satisfied with the result, then to use the product on large scale in his project. This edition of technical data sheet automatically cancels any previous version