MARMOLINE
ADVANCED BUILDING MATERIALS

www.marmoline.gr
e-mail: info@nordia.gr
Tel.: (+30) 22950 22225
Fax: (+30) 22950 22120

THERMOGREY

EN 998-1
GP/CSIV/W_c2

Top Performance, fiber-reinforced, polymer modified cementitious EPS adhesive

DESCRIPTION

High quality fiber-reinforced, polymer modified, cementitious adhesive in a gray shade, specially designed for the strong bonding of expanded polystyrene (EPS) boards.

It exhibits excellent adhesion to substrates such as concrete, plaster, bricks, cement blocks and aerated concrete.

Reinforced with suitable fiberglass mesh, is also used for the coating of thermal insulation boards, on external and internal surfaces of buildings.

FIELDS OF APPLICATION

- In combination with the use of mechanical fastening (anchors), it is the ideal solution for the thermal insulation of internal and external masonry.
- It is also combined with suitable fiberglass mesh and a MARMOLINE SVR-type plaster/render for the coating/ reinforcement of these boards.

FEATURES /BENEFITS

- Strong adhesion to the substrate such as concrete, cement, stone, masonry
- High performance
- High mechanical strength
- Excellent workability.
- Easy to handle and apply
- Durability over time.
- High resistance to changes in temperature between heat and cold
- User and environmentally friendly

www.marmoline.gr
e-mail: info@nordia.gr
Tel.: (+30) 22950 22225
Fax: (+30) 22950 22120

PRODUCT INFORMATION

Appearance/ color	Grey powder
Packaging	25kg
Storage conditions	In the original, closed, sealed and undamaged packaging, protected from direct sunlight. cold and frost and at temperatures from +5°C to + 35°C.
Lifetime	12 months from production date (store closed packaging in a shady place)

TECHNICAL CHARACTERISTICS

Grading :	0 - 0.5 mm	
Specific gravity of wet mortar:	1600 Kg/m^3	
Compressive strength in 28 days:	13.0 MPa	EN 1015-11
Flexural strength in 28 days:	4.0 MPa	EN 1015-11

APPLICATION INFORMATION

Environmental temperature	Temperature from + 5 ^{o}C to + 35 ^{o}C
Consumption	4 - 7 kg of dry mortar per m^2, depending on the nature of the substrate, when used as insulation boards adhesive 4 – 4.5 kg of dry mortar per m^2, when used as a coating with fiberglass mesh.
Mixing ratio	5.5 - 6 kg (lt) of water /bag of 25 kg.

www.marmoline.gr
e-mail: info@nordia.gr
Tel.: (+30) 22950 22225
Fax: (+30) 22950 22120

APPLICATION INSTRUCTIONS

SUBSTRATE PREPARATION

Before application, make sure the substrate is stable and clean, free from dust, oils, loose materials or old paints.

APPLICATION

Mix the content of a 25 kg bag, with 5.5 - 6 lt of water, using a low-rev electric mixer until a homogeneous, lump-free mixture is obtained Leave the mixture to set for five to ten minutes and stir again.

Use as adhesive:

For smooth substrates: The adhesive is evenly spread and combed over the entire surface using a notched trowel at a thickness of 2 - 3 mm.

For uneven substrates: The adhesive is applied in stripes around the edges of the board and in 3 - 4 selected dabs in the center using a notched trowel.

The adhesive must cover the 40% of the boards surface.

Place and press the insulation boards starting from the bottom of the masonry crossways without gaps.

As a reinforced coating:

When used as a fiberglass reinforced coating, apply the mix all over the surface of the insulation board to a thickness of 2 - 3 mm. Place the appropriate MARMOLINE fibreglass mesh to the prepared surface and press with a spatula or trowel until the mesh is fully embedded in the adhesive. The strips of the mesh should overlap by 10 cm approx. Finally, smooth the surface, while simultaneously removing excess mortar.

Suitable anchors should also be used to secure the installation of the insulation boards.

You can use the mixture within 2-4 hours, depending on the environmental conditions (temperature etc.)

TOOLS CLEANING

With plenty of water immediately after use. Hardened and/or cured material can only be removed mechanically.

ATTENTION

- The content of the bag should be protected from humidity
- Do not add excessive quantity of water for it may cause cracks and reduced strength of the product
- Not recommended for use in extreme weather conditions (frost or heatwave).

HEALTH, SAFETY & ENVIROMENTAL PROTECTION

Detailed information and instructions regarding the safe management of the product and in matters of Health & Safety, are provided in the most recent Safety Data Sheet (SDS), copies of which are available on the company's website https://marmoline.gr/ or upon request.

www.marmoline.gr
e-mail: info@nordia.gr
Tel.: (+30) 22950 22225
Fax: (+30) 22950 22120

LEGAL NOTICES

We guarantee the quality of the product, in terms of its technical specifications, as presented in the technical data sheet. This guarantee is strictly only for the available product and in no case the final result from its application, which depends to a large extent on the experience and quality of work of each user, as well as the conditions of application.

It is recommended that the user apply the product on a small scale and after making sure of the result, then use it in his project. Publication of this technical data sheet supersedes any previous version.

MARMOLINE reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request.

CE

26

DoP: 272 MAR-CPR

NORDIA S.A.

364 Kifissias Av., 15233 Chalandri, Athens/ Greece

EN 998-1:2016

MARMOLINE THERMOGREY

GENERAL PURPOSE PLASTER (GP/CSIV/W_c2)

Reaction to fire: Class :A2-s1,d0
Water absorption: W_c2
Water vapour diffusion coef.: μ =5/20
Adhesion: $\geq$ 1.0 N/mm^2 (FPc)
Thermal conductivity/density: ($\lambda_{10,dry}$) 0.17 W/mK (tab. mean value; P= 50%)
Dangerous substances: see product's SDS
Durability (against freeze/thaw, in the intended place of use): NPD

TÜVNORD TÜV HELLAS S.A. ISO 9001 tuvhellas.gr
TÜVNORD TÜV HELLAS S.A. ISO 14001 tuvhellas.gr