

## GN 30

# SPRAYED MORTAR FOR MASONRY REINFORCEMENT

*The solution for reconstruction and bracing of structural elements*

**Description:** Single component ready mortar, based on Portland grey cement, aggregates of various grain-sizes, various chemical additives and fibres. It does not contain lime.

**Usages :** Use in cases where brickwork needs significant reinforcement (e.g. old brick- and stone-walls, etc.). In cases of dislocated masonry combined with metal mesh.

Also use as high-strength mortar in structures with 3D grating, before applying the plaster, as well as on substrates of bricks, cement blocks, aerated concrete (e.g. YTONG), concrete, stone, etc.



**Advantages:**

- High strength • 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 30 kg.
- Palette of 1620 kg, 54 paper bags of 30 kg.


**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 998-1 (GP/CSIV/W<sub>c</sub>1)

**TECHNICAL DATA:**

<b>Form:</b>	Grey powder
<b>Grading :</b>	0-4 mm
<b>Specific gravity of dry mortar:</b>	1700 Kg/m <sup>3</sup>
<b>Specific gravity of wet mortar:</b>	2200 Kg/m <sup>3</sup>
<b>Compressive strength in 28 days:</b>	30 MPa (Category CSIV) EN 1015-11
<b>Flexural strength in 28 days:</b>	5 MPa. EN 1015-11

 12 DoP: 004 MARMO-CPR
NORDIA S.A. 364 Kifissias Av., 15233 Chalandri, Athens/ Greece
EN 998-1 MARMOLINE GN 30 General purpose plaster for internal or external use (GP/CSIV/W <sub>c</sub> 1)
Reaction to fire: <i>Class A1</i> Water absorption: <i>W<sub>c</sub>1</i> Water vapour diffusion coef.: $\mu = 15/35$ Adhesion: $\geq 0.7 \text{ N/mm}^2$ (FPb) Thermal conductivity/density: ( $\lambda_{10, dry}$ ) 1.17 W/mK (tab. mean value; P= 50%) Dangerous substances: <i>see product's SDS</i> Durability (against freeze/thaw, in the intended place of use): NPD

**APPLICATION:****Mixing ratio:** 3.5 - 4 lt of water /bag of 30 kg**Consumption:** Approx 20 kg of dry mortar per m<sup>2</sup> for 1 cm of thickness**Application mode:**

- Check and prepare the application surface
- Make sure that the surface is clean and free of loose material
- To prepare, simply add water
- For better results, it is recommended to use a sprayed concrete pump (Gunite pump) or other special pump.
- Apply in successive coats up to 2 - 2.5 cm thick per coat
- The wet mortar must be distributed uniformly over the wall and must be fixed with special laths
- In case of high temperatures during application, the wet mortar must be protected against quick drying and remain wet
- The wet incident material that piles up on the floor must not be used again.
- Continue with the subsequent coats of MARMOLINE plaster (SV2, SV3, SV100, SV010), once the previous coat of GN 30 is well dry and in any case after 20 - 30 days, depending on the season

**ATTENTION:**

- 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
- Do not mix the mortar for too long and use while it is still fresh
- Not recommended for use in extreme weather conditions (frost or heatwave). Application temperature +5°C to +35°C

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*