

## UNIVERSAL WHITE

### WHITE POLYMER MODIFIED TILE ADHESIVE (C1T)

*Strong and reliable adhesions.*

**Description :** White tile adhesive based on high-strength Portland white cement (I-52.5), white marble aggregates and special additives to improve adhesion, with improved anti – slip properties.

**Usages:** A reliable solution for professionals. For strong adhesions of ceramic and monocottura tiles, and decorative bricks on common cementitious-based substrates of floor or wall, indoors or outdoors.  
When applied to tiles with reduced-absorbency, it is recommended to mix it with the MARMOLINE MP 20 acrylic dispersion.



**Advantages:** • High strength • Excellent adhesion • Moisture and frost-proof • Incomparable quality of raw materials • Easy to apply - excellent workability • Indoor and outdoor use

**Packaging /distribution :** Bags of 25 kg. Palette of 1500 kg (60 paper bags)  
Plastic bags of 5 kg. Palette of 960 kg (48 cartons of 20 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 12004 (C1T)

**TECHNICAL DATA:**

<b>Colour:</b>	White
<b>Specific gravity of wet mortar:</b>	1,60 Kg/lit
<b>Adhesion strength:</b>	
<i>Average values based on production control laboratory tests:</i>	
On concrete after 28 days:	1.1 N/mm <sup>2</sup> (EN 1348)
After heating at 70°C:	0.8 N/mm <sup>2</sup> (EN 1348)
In water:	1.0 N/mm <sup>2</sup> (EN 1348)
After 25 cycles of freezing - thawing:	0.8 N/mm <sup>2</sup> (EN 1348)
<b>Slip:</b>	<0.5 mm (EN 1308)
<b>Open time for application:</b>	20 – 25 minutes
<b>Time for minor corrections:</b>	10 minutes

 12 DoP: 011 MARMO-CPR
NORDIA S.A. 364 Kifissias Av., 15233 Chalandri, Athens/ Greece
EN 12004:2007+A1:2012 MARMOLINE UNIVERSAL WHITE Cementitious adhesive for tiles with reduced slip
Reaction to fire: <i>Class A1</i> Initial tensile adhesion strength: $\geq 0.5 \text{ N/mm}^2$ Tensile adhesion strength after heat ageing: $\geq 0.5 \text{ N/mm}^2$ Tensile adhesion strength after water immersion: $\geq 0.5 \text{ N/mm}^2$ Tensile adhesion strength after freeze/thaw cycles: $\geq 0.5 \text{ N/mm}^2$

**APPLICATION:**

**Mixing ratio:** 6.5 - 7 lt of water /bag of 25 kg

**Consumption:** Approx. 2.5 – 4 kg, depending on the size and type of tile

- Application mode:**
- Check that the substrate is clean, dry and free from dust, greasy and loose particles
  - If the substrate is unstable or crumbles, it is recommended to prime the surface with MARMOLINE MST 11 acrylic water based primer.
  - Mix with the necessary quantity of water, using an electric mixer at low speed, until a homogeneous, lump-free mixture is obtained
  - Leave the mixture to set for five to ten minutes and stir again.
  - Spread with a notched trowel; choose the size according to the type of tile and the substrate
  - Tiles must be fixed within 20 minutes of applying the adhesive and definitely before it skins-over
  - The adhesive remains workable in the pot for 3 to 4 hours, depending on the season and environmental temperature and humidity. When the adhesive begins to set, stir again without adding water
  - Proceed to joint-filling after 24 hours (floors) or 12 hours (walls)
  - For difficult applications it is recommended to add 1-3 kg of acrylic dispersion MARMOLINE MP20, to 25 kg of UNIVERSAL WHITE, to reinforce the mixture

**ATTENTION:**

- The content of the bag should be protected from humidity
- 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*