

EASY GEL 90

EN 12004
C2TE

High quality white polymer-modified tile adhesive with gel technology

DESCRIPTION

High quality, polymer-modified, cement-based, white tile adhesive, with gel technology, modified with aggregates and special additives for zero vertical slip and extended open application time. Suitable for substrates requiring high adhesion of absorbent and non-absorbent tiles, on horizontal or vertical surfaces.

Classified as C2TE according to EN 12004 with CE marking.

With EUOFINS - Indoor Air Comfort Gold certification which ensures that EASY GEL 90 meets the strictest European regulations regarding VOC emissions.

APPLICATION FIELDS

EASY GEL 90 shows strong adhesion to all standard substrates (e.g. concrete, cement mortar, floors with old coatings, aerated concrete, plaster, brick wall etc.)

Also is suitable for fixing both absorbent and non-absorbent tiles, clinker-type tiles, natural and artificial decorative stones etc, on vertical and horizontal surfaces where high adhesion and resistance to moisture are required. Suitable for indoor or outdoor use

CHARACTERISTICS/ ADVANTAGES

- Excellent adhesion even on demanding substrates
- Zero vertical slip of the tiles during their installation
- Extended open time
- High resistance to temperature fluctuations(heat-cold) and humidity
- Easily application
- Excellent workability

It is also suitable for fixing the following types of tiles:

- Absorbent and non-absorbent tiles, small to medium dimensions
- Marble and mosaics
- Artificial and natural decorative stones
- Artificial and natural granite tiles
- Cotto tiles, klinker tiles
- Gres porcelanato tiles
- Glass tiles

PRODUCT INFORMATION

Composition	Portland Cement, aggregates of selected grading, special additives and polymer components
Colour	Off-white powder <i>(Color tone variations may occur between batches, as the raw materials include crushed white Dionyssos marble aggregates, which naturally shows fluctuations in shade)</i>
Packaging	25 kg paper bag - 1500 kg pallet (60 paper bags)
Storage Conditions	In the original, closed, sealed and indestructible packaging, protected from direct sunlight and frost and at temperatures from +5°C to +35°C
Shelf life	12 months from the date of production in unopened package

TECHNICAL CHARACTERISTICS

Specific gravity of wet mortar:	~ 1.56 kg/lit (+20°C)	
Slip:	≤ 0.5 mm	(EN 1308)
Adhesion strength:		
<i>Average values of production quality control results :</i>		
On concrete after 28 days:	1.40 N/mm ²	(EN 1348)
After heating at 70°C:	1.40 N/mm ²	(EN 1348)
In water:	1.10 N/mm ²	(EN 1348)
After 25 cycles of freezing – thawing:	1.20 N/mm ²	(EN 1348)
Open time for application:	30 min	
Time for minor corrections:	10 min	

APPLICATION INFORMATION

Substrate temperature	+5°C / +35°C
Environmental temperature	+5°C / +35°C
Mixing ratio	~7.0 lt water/bag 25 kg
Maximum application thickness	10 mm
Consumption	2.5 – 4.0 kg/m ² , depending on the levelling of the surface, the size and the type of tile
Grouting	On floor: ~24 h at +20°C On walls: ~12 h at +20°C

APPLICATION INSTRUCTIONS

SUBSTRATE PREPARATION

Check that the substrate is clean, dry and free from loose particles and other materials. If the substrate is unstable or crumbles, then it is recommended to prime the surface with MARMOLINE MST 11 acrylic water based primer.

MIXING

Mix well, with a low-speed electric stirrer, one bag 25 kg of EASY GEL 90 with around 7 Liters of clean water until a homogeneous, lump-free mixture is obtained. Leave the mixture to set for 5-10 minutes and stir again for 1-2 minutes. Spread with a notched trowel; choose the size according to the type of tile and the substrate.

Tiles must be fixed within 30 minutes after applying the adhesive and before it skins-over.

APPLICATION

Fix the tiles by applying pressure to them. The adhesive remains workable in the pot for approximately 4 hours, depending on the season, temperature and humidity of the environment. When the adhesive begins to set, stir again without adding water. Proceed to grouting after 24 hours for floors and 12 hours for walls.

TOOLS CLEANING

Raw material should be removed immediately from the application equipment with water.

Hardened/mature material can only be removed mechanically.

IMPORTANT NOTES

- The application of the adhesive should be done at temperatures between +5°C and +35°C, without exposure to extreme weather conditions.
- Apply only on stable, well-prepared substrates.
- Do not exceed the recommended maximum amount of mixing water.
- Do not add extra water to adhesive that has already started to set.
- Do not exceed the maximum application thickness. Protect the application surface from frost, wind and direct sunlight for at least 24 hours after application.

COMPLIANCE WITH STANDARDS

It has CE marking and Performance Declaration as improved, normal setting cementitious tile adhesive with reduced slip and extended available time, C2TE, according to EN 12004: 2007.

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.


The Company reserves the right to modify data listed in this Product Data Sheet, with no previous warning. Users must refer to the latest version of the product Technical Data Sheet.

LEGAL NOTICE

We guarantee the quality of all our products, based on 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 depends 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.

All data stated in this Technical Data Sheet are based on laboratory tests. The really measurable data might differentiate due to conditions that are not subject to our control. The recommendations and implementation instructions must be considered by the user as indicative, and always with given that the product has been traded and traded and stored according to its instructions.

As it is not possible to control the parameters/conditions of its application product in practice, no guarantee is provided for the final result of each application. Consequently, no legal liability of the Company can be established based on the information and instruction given in this Technical Data Sheet.

 24 DoP: 100 MARMO-CPR	
NORDIA SA 364 Kifissias Av., 15233 Chalandri, Athens, Greece	
EN 12004:2007+A1:2012 MARMOLINE EASY GEL 90 Improved cementitious adhesive for tiles with reduced slip and extended open time for internal or external use	
Initial tensile adhesion strength:	≥ 1 N/mm ²
Tensile adhesion strength after heat ageing:	≥ 1 N/mm ²
Tensile adhesion strength after water immersion:	≥ 1 N/mm ²
Tensile adhesion strength after freeze/thaw cycles:	≥ 1 N/mm ²
Reaction to fire:	A2-s1, d0
Release of dangerous substances:	See product's SDS
see detailed DoP in https://marmoline.gr	