

## **HYFIX 500**

### **HIGH STRENGTH TILE ADHESIVE WITH GEL TECHNOLOGY (C2TE)**

#### **USAGE**

Top quality and high-performance GEL technology tile adhesive. HYFIX 500 ensures strong bonding and high workability in a wide range of applications. It is suitable for the installation of tiles of all types on absorbent or non-absorbent substrates, indoors or outdoors, on horizontal or vertical surfaces.

#### **ADVANTAGES**

- Wide range of mixing water
- Excellent workability
- Zero slip
- Extended open time
- Resistant bonding in demanding conditions, including temperature fluctuations or even moisture
- Layer thickness up to 15 mm
- Non-combustible

#### **APPLICATION**

- The substrate must be clean, firm, without loose parts and rising damp. We recommend the wetting of absorbent substrates with clean water prior to applying this product or use of a suitable primer (e.g., BOARD PRIMER).
- The bag content should be gradually added into clear water (approx. 5.6-6.8 l/bag) under continuous stirring, using an electric mixer at low speed, until a homogenous paste is achieved. The mixture should rest for 5 minutes and then be re-stirred before the application takes place.
- The adhesive paste should be applied (“combed”) with a notched trowel (6-20 mm) and tiles are then placed within 30 minutes. The open time limits of the applied paste allow any readjustment that might be needed for their final exact position.
- If the substrate has been covered with screed, its moisture must be less than 2,5% before the application of the adhesive.
- During the application and for some hours later, extreme climatic conditions must be avoided (such as strong wind, rain, dust, direct sunshine, etc.) and the temperature must be between +5 °C and 35 °C.
- Floor joints can be grouted after 24 hours and wall joints after 8-10 hours.

#### **COMPOSITION**

Mixture of white cement of high specifications, crushed marble of selected grain size and quality, enriched with polymers and special enhancement additives and minerals.



**AETOS INDUSTRIAL, COMMERCIAL & TRANSPORT COMPANY “EAGLE S.A.”**

Head Quarters: Industrial Zone of Drama, 66100 Drama, Greece, Tel.:+30 25210 55960 Fax:+30 25210 55961

E-mail: [info@eagle-sa.gr](mailto:info@eagle-sa.gr), Web: [www.eagle-sa.gr](http://www.eagle-sa.gr)

Branch: Dry Mortar Plant “MARMODOM”: Industrial Park of Prosotsani, 66200 Greece, Tel.:+30 25220 21100, Fax:+30 25220 21110

E-mail: [info@marmodom.eu](mailto:info@marmodom.eu), Web: [www.marmodom.eu](http://www.marmodom.eu)

## TECHNICAL DATA

According to EN 12004-1:2017 classified as: type C2TE adhesive

<b>Appearance</b>	Cementitious mortar	<b>Color</b>	White
<b>Grain size</b>	< 0,7 mm	<b>Extended open time, tensile adhesion strength</b>	0.9 N/mm <sup>2</sup>
<b>Bulk density</b>	1590 ± 100 g/l	<b>Initial tensile adhesion strength</b>	1.8 N/mm <sup>2</sup>
<b>Water demand</b>	5.6-6.8 l/bag 20 kg	<b>Tensile adhesion strength after water immersion</b>	1.5 N/mm <sup>2</sup>
<b>Fresh mortar density</b>	1670 ± 100 g/l	<b>Tensile adhesion strength after heat ageing</b>	1.4 N/mm <sup>2</sup>
<b>Pot life (20°C)</b>	4-5 hours	<b>Tensile adhesion strength after freeze-thaw cycle</b>	1.1 N/mm <sup>2</sup>
<b>Open time (20 °C)</b>	30 min	<b>Slip</b>	≤ 0.5 mm
<b>Reaction to fire</b>	Class A2-s1, d0 & A2fl-s1		

## CONSUMPTION

1.5 kg/m<sup>2</sup>, per mm of layer thickness, depending on tile type and size and on the kind of the substrate.

## PACKAGING

In 20 kg paper bags, on pallets.

## STORAGE

12 months from the production date, in unopened bags and buckets. Stored in a shady, dry, frost and humidity free place.

## REMARKS

- If much more water than demanded is added, adhesion and strength reduction can occur.
- On metallic constructions a corrosion protection layer must be applied beforehand.
- HYFIX 500 contains cement which is classified as irritant. Consult the safety advises and precautions written in SDS of the product.

## REMINDER

Although specifications and instructions outlined in this report were prepared to the best of our ability, knowledge and experience, they must be taken as indicative results and require verification after numerous applications. Intended users of this product must verify its suitability for the planned application. End user is responsible for all results from the product's use.

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