



CONSTRUCTION CHEMICALS TECHNOLOGIES

VIMACRET®

Pre-mixed resin improved cement mortar

Properties

VIMACRET is a pre-mixed resin improved cement mortar in powder form. By adding only water you will get a mortar

- with perfect bonding to the substrate
- without cracks, waterproofing and with high strengths
- without substances that could corrode the iron

Applications

- Suitable for internal and external use on dry or wet substrate
- Repair of concrete elements (filling cavities, covering reinforcements)
- Restore imperfections, cracks and local coating reconstructions
- Very strong and waterproofing cement mortars
- Suitable for use in potable water tanks¹
- Fastening and anchoring machines
- Construction of skirting boards – pipes in basements and tanks before applying **WATERBLOCK**.

Technical Data²

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|--|-----------|
| Bulk density of dry mortar (ELOT EN 1097-03) | 1,69 kg/l |
| Mixing water (percentage in dry mortar) | 16% |
| Cohesion (ELOT EN 1015-04) | 1,6 cm |
| Bulk density of fresh mortar (ELOT EN 1015-06) | 1,74 kg/l |
| Efficiency | 0,68 kg/l |
| Mechanical strengths (ELOT EN 1015-11) | |
| Compressive strength: | 13,2 Mpa |
| Flexural strength: | 3,7 Mpa |

¹ Certificate of conformity for use in potable water tanks, issued by the Laboratory of Analytical Chemistry, Aristotle University of Thessaloniki

² Test Report, issued by the accredited Laboratories CERECO S.A.



Substrate Preparation

The substrate must be sound, clear of dust, rotten materials and loosen parts. Oils and grease can be removed with **VIMACLEAN**.

Wet the substrate well before using **VIMACRET**, avoiding any excess water.

How to use

VIMACRET is slowly added into water and stirred until the mixture is uniform and has the required workability.

Indicatively, use around 4,0 – 4,5 kg of water per bag of **VIMACRET** (25 kg).

Fresh mortar pot life is about 45-50 minutes.

Do not add more water in order to soften the mortar if hardening has already started.

Consumption

For a 1 cm layer and a surface of 1m² use around 15 kg of **VIMACRET**.

For making a 5-7 cm haunch pipe you will need around 3-4 kg/m.

Caution

In high temperatures or windy conditions fresh **VIMACRET** must be wetted in order to be protected from quick dehydration.

Cracks caused by setting shrinkage can be eliminated by mixing the polypropylene fibres **FIBERPLUS** into the fresh **VIMACRET** using a ratio of 15-20 g / 25 kg bag.

Adding other materials except for water into **VIMACRET** will cause alteration of **VIMACRET**'s properties.

Cleaning of tools

Tools must be cleaned with water immediately after use, before the mixture dries.

Storing

VIMACRET can be stored in a dry environment and in sealed bags for at least 12 months

Packaging

In 25 kg bag, available in grey colour

Protection

Contains cement so that it is considered as irritant due to alkali reaction with water



CONSTRUCTION CHEMICALS TECHNOLOGIES

VIMACRET®-F

Resin improved, reinforced cement mortar

Properties

VIMACRET-F constitutes an improved edition of **VIMACRET**, reinforced with polypropylene fibers.
Thus it is ideal for external use, because it does not present shrinkage setting under high temperatures and / or air.

Applications

It corresponds to all the applications or regular **VIMACRET** and indeed presenting better performance in strengths and workability.
Available also in brick red color for aesthetic reasons in fixing roof tiles and specifically ridges at roofs.

Technical Data*

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|--|-----------|
| Bulk density of dry mortar (ELOT EN 1097-03) | 1,69 kg/l |
| Mixing water (percentage in dry mortar) | 16% |
| Cohesion (ELOT EN 1015-04) | 1,6 cm |
| Bulk density of fresh mortar (ELOT EN 1015-06) | 1,71 kg/l |
| Efficiency | 0,70 kg/l |
| Mechanical strengths (ELOT EN 1015-11) | |
| Compressive strength: | 14,3 Mpa |
| Flexural strength: | 3,6 Mpa |

The usage instructions and consumption of **VIMACRET-F** are the same as **VIMACRET**.

* Tests Report, issued by the accredited Laboratories CERECO S.A.



VIMACRET[®]-RAPID

Fast setting, resin improved, reinforced cement mortar

Properties

VIMACRET RAPID is an ideal pre-mixed, repairing, and fast setting (30-35 minutes) cement mortar, which provides to the applicator the advantage of constant working. The other advantages of **VIMACRET RAPID** are:

- perfect bonding to the substrate
- eliminates shrinkage setting
- high mechanical strengths

Applications

It is appropriate for every cement mortar application, where parallel fast setting of the material is demanded:

Fixing, anchoring, e.g. metal constructions, machinery

Preparation of the substrate before the application of the brushable sealing slurry **WATERBLOCK** (sealing of cavities and other imperfections of the concrete's surface, construction of sealing perimetric gutters) and continuance of the waterproofing without waiting time.

Technical Data*

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|--|-----------|
| Bulk density of dry mortar (ELOT EN 1097-03) | 1,47 kg/l |
| Mixing water (percentage in dry mortar) | 18% |
| Cohesion (ELOT EN 1015-04) | 1,6 cm |
| Bulk density of fresh mortar (ELOT EN 1015-06) | 1,99 kg/l |
| Efficiency | 0,61 kg/l |
| Mechanical strengths (ELOT EN 1015-11) | |
| Compressive strength: | 18,1 Mpa |
| Flexural strength: | 5,1 Mpa |

* Tests Report, issued by the accredited Laboratories CERECO S.A.