

M610 Rapid

Fast-Setting, Polymer-modified, Cementitious, Render Repairing Mortar

Description

M610 Rapid is a fast-setting, polymer-modified, cementitious, repair mortar for renders & plaster walls and non-structural masonry elements.

It consists of high-quality white cement, limestone aggregates of graded granulometry and active additives which ensure high adhesion, fast curing, absence of shrinkage cracks during application, excellent workability and thixotropy. It does not contain lime in its composition. Only the addition of water is required.

It is classified as render repair mortar **GP CS III W_c0** according to **EN 998-1**.

Field of Application

M610 Rapid can be used as repair mortar for renders & plasters, on walls & ceilings, in a thickness of **3-30 mm** (locally up to **50 mm**).

Also suitable for repairs to fill imperfections and holes resulting from plumbing, electrical, carpentry, frames installation works etc. Ideal for projects where fast delivery is required.

Suitable for indoor & outdoor usage.

Technical Data

Technical Characteristics

Appearance	Cementitious powder
Colour	Off-white
Maximum grain size	1,4mm
Apparent density of dry mortar	1,60±0,05kg/cm ³

Application Properties@ 23oC / 50% RH

Mixing ratio	5 - 5,5 lt water per 25kg	
Apparent density of dry mortar of fresh mortar	1,75±0,05kg/cm ³	EN 1015-6
Application temperature	5°C-35°C	
Workable time	45min @ 20°C	
Application thickness per layer	3 – 30mm	
Initial setting time	2-4 hours	
Consumption	1,4 – 1,5 Kg/m ² /mm	

Performance

Compressive strength	≥3,5 N/mm ²	EN 1015-11
Flexural strength	≥1,5 N/mm ²	EN 1015-11
Αντοχή σε πρόσφυση	≥0,6 N/mm ² FP:B	EN 1015-12
Capillary water absorption	>0,4 kg/m ² .min ^{0,5}	EN 1015-18
Water vapour permeability coefficient, μ	≤15	EN 1015-19
Thermal conductivity (λ10, dry)	0,61 W/mK	EN 1745
Reaction to fire	Class A1	EN 13501-1

M610 Rapid

Fast-Setting, Polymer-modified, Cementitious, Render Repairing Mortar

Directions for Use

1. SUBSTRATE – PREPARATION: The application substrate should be clean, solid, rough, free of loose parts, dust, oil, tar, lime, etc. Before application, light soaking the surface with water.

In cases of very absorbent substrates (e.g. porous concrete, old plasters/renders, etc.) it is recommended to precede the priming with a micromolecular, water-based, impregnation, acrylic primer, diluted appropriately so that it penetrates the surface, avoiding film formation on the substrate.

On very smooth or “demanding” substrates (e.g. smooth exposed concrete, wall bricks, etc.) it is recommended to apply bonding sputterdash mortar **Π220** or **Π240** by **INTERMIX**, depending on each application.

2. MIXING: In a clean container with pure water, gradually add the package content, under constant stirring with a low-speed electric mixer (5 - 5.5 lt water per 25Kg M610 Rapid). Mix carefully until the mixture becomes homogeneous, without lumps and taking care not to leave any amount of package content on the walls or bottom of the container. The mixture is ready to use for the next 45 minutes at 20°C.

3. APPLICATION: Apply **M610 Rapid** to the substrate, using suitable metal spatula or trowel, at a thickness of **3 – 30mm** per coat (locally up to **50mm**). Possibility of subsequent layers of product on the same day, after 1 to 4 hours, depending on thickness & application conditions. When the material begins to dry (usually after 20-30 minutes, depending on application conditions), the surface can be smoothed by using suitable rubber, polystyrene block, sponge or trowel, depending on the desired finishing texture. It is recommended to use reinforcement, anti-alkaline, fiber mesh in joints of dissimilar materials (e.g. brick with concrete etc.) or above thermal insulation boards (e.g. on beams, columns etc.), which is placed in the upper 1/3 of the product application thickness and at least 10cm on either side of the joints, to avoid any cracking due to uneven micro-movements of the substrate.

4. CLEANING OF TOOLS: Remove as much product as possible from tools while still fresh and clean using water. When the material hardens it is removed by mechanical means.

Important Notes

Do not apply at substrate & environment temperatures below +5°C and above +35°C.

Do not apply in case of impending rain for at least the next 24 hours after application.

It is recommended to protect the surfaces from strong air currents & direct, intense solar radiation using protective covers.

Do not add additional water and/or cement, gypsum, lime, or other materials that may affect the properties of the mortar.

Lightly wet the application surface periodically during periods of high temperatures (summer months).

Consumption

Indicative consumption: **1,4 – 1,5 Kg/m²/mm**.

It depends on the type of substrate, the method, the tools and the application conditions.

M610 Rapid

Fast-Setting, Polymer-modified, Cementitious, Render Repairing Mortar

Packaging - Colors

Available in 25Kg paper bag package (pallet of 60 bags), in white color.

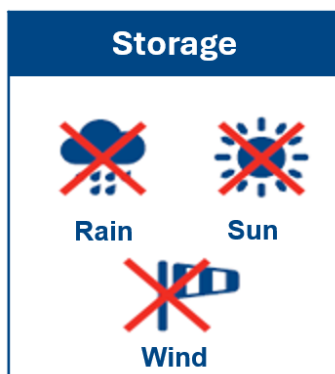
Storage

For 12 months from the date of production, in sealed, original packaging, at a cool, dry and well-ventilated place.

Notes

INTERMIX bagged products help keep the environment clean.

- They reduce waste and material losses
- They reduce environmental pollution.
- Their packaging is fully recyclable.



CE	
TITAN CEMENT SA 22A Halkidos Str., 111 43, Athens, Greece	
24	
EN 998-1:2016	
DoP No: INTERMIX 32	
Fast setting repairing mortar for external and internal use on walls and ceilings (GP/CS III)	
Reaction to fire:	Euroclass A1
Capillary water absorption:	W _{c0}
Water vapour permeability coefficient (μ):	μ ≤ 15
Thermal conductivity (λ _{10, dry}):	0,61 W/mK
Adhesion:	≥ 0,6 N/mm ² FP: B