



CODE 1.966.0050

ardmalta

Fibre-reinforced thixotropic repair mortar

GENERAL PROPERTIES

ARDMALTA is a premixed fibre-reinforced anti contraction product based on high performance cement binders, inert fillers of selected granulometry; it contains also an hydrorepellent siloxanic which guarantees an optimal protection from atmospheric events, keeping unchanged the permeability of vapour in the wall. ARDMALTA, mixed with clean water it produces a highly thixotropic cohesive mortar which is suitable for producing, without retaining formwork, thick coatings on surfaces with limited extension.

The product has been devised to create accurate finishes with optimum adhesion on difficult substrates such as concrete or smooth precast, bricks, mixed material walls, etc.

INSTRUCTIONS

Substrate preparation:

- Surfaces must be sound (not affected to contraction or breaking away of unanchored parts), dry and free of dust, grease, oil, wax etc.
- If the support is degraded or decayed, previously remove the decayed layer by chipping or hydrodemolition
- To facilitate adhesion, an high superficial roughness must always be guaranteed
- Protruding iron bars: accurately remove rust & apply BOIACCA PASSIVANTE code (refer to TDS 400).
- Before applying the product, wet the surface completely and thoroughly avoiding stagnation

Application:

- Carefully mix a 25 kg pack of ARDMALTA with 5 litres of clean water, with a low speed stirrer agitator, avoiding the formation of lumps, and mix until smooth & of plastic like consistency.
- Use ARDMALTA within 60 mins of it being mixed.
- Apply by steel, plastic or sponge trowel. If ARDPLAN AS/BS is to be used for the finish, allow at least 3 hrs.
- Apply the product with a thickness of maximum 30 mm per each layer. In case of higher thicknesses, it is recommended with a rough coat layer and, after 12-24 hours, apply the next layer till the maximum total thickness of 5 cm.
- After 2-4 hours, depending of climatic conditions, it is possible to execute the troweling by plastic or sponge trowel

- ARDMALTA must be kept humid for at least 24 hrs when carrying out thick repair works.
- Do not apply below 5°C or above 30°C. Do not apply on wet/frozen substrates or under strong sunlight/winds.
- Do not apply on dehumidifying cycles.
- After 3 - 4 days proceed with the most appropriate finish.
- Store at ambient temperature & protect against humidity.
- Wash tools with water immediately before the mortar begins to harden.
- The mixed product is highly alkaline: use gloves & protective eye-wear. **Eye contact:** wash eyes immediately for a few minutes with plenty of water
- Refer to the MSDS for further details.

TECHNICAL PROPERTIES

VOLUMIC WEIGHT FRESH MORTAR (UNI 8995)	2,0 ± 0.05 g/cm ³
POT- LIFE	60 mins at 20°C
MIXTURE WATER	Approx 20%
GRANULOMETRY	≤ 1,5mm
MAX THICKNESS PER LAYER	3 cm
MAX THICKNESS	6 cm
MED COMPRESSION STRENGTH (AFTER 28 DAYS)	35 MPa
MED FLEXURE STRENGTH (AFTER 28 DAYS)	8 MPa
ELASTICITY MODULE	20 Gpa
ADHESION	>1,5 MPa

Product certified in conformity to norm EN 1504-3 Products and systems for the protection and restoration of the concrete structures

YIELD

Each centimetre of thickness requires approx 17 kg/m² of ARDMALTA.

TENDER SPECIFICATION ITEM

FIBRE-REINFORCED THIXOTROPIC MORTAR BASED ON HIGH PERFORMANCE SPECIAL CEMENTS AND SILOXANIC HYDROREPELLENT, SUITABLE FOR A MAX 6 CM VOLUMETRIC FILLING.

Application on treated mineral & other surfaces, of a fibre reinforced thixotropic mortar based on special cement & synthetic resins with anti-carbonation, low contraction and mouldable characteristics, suitable for a max 6 cm volumetric filling called ARDMALTA (Ard F.Ili Raccanello SpA) with a minimum consumption per centimetre of 17 kg/m².

€/m²

The data herein were correct at the time of Quality Control and refer to standardized environmental conditions. The same are to be considered as a guide.
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