



# ard f.lli raccanello s.p.a. industria vernici e smalti

TECHNICAL SHEET **402**

CODE 1.963.0030

## **ardmalta rapida**

Fibre-reinforced thixotropic repair mortar

### **GENERAL PROPERTIES**

ARDMALTA is a premixed fibre-reinforced anti contraction product based on quick drying cement binders, inert fillers of selected granulometry & special synthetic resins. 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.

This product has been devised to create finishes with optimum adhesion on difficult substrates such as concrete or smooth precast.

### **INSTRUCTIONS**

#### **Substrate preparation:**

Surfaces must be dry, sound & free of dust, grease, oil, wax etc.

- Protruding iron bars: remove rust & apply BOIACCA PASSIVANTE code (refer to TDS 400).

#### **Application:**

- Carefully mix a 25 kg pack of ARDMALTA with 4 - 4,2 litres of clean water, avoiding the formation of lumps, until smooth & of plastic like consistency.
- Use ARDMALTA within 15 mins of it being mixed.
- Use a brick mason's equipment to apply. If ARDPLAN BS or AS are to be used for the finish allow at least 3 hrs.
- ARDMALTA must be kept humid for at least 24 hrs when carrying out thick repair work.
- 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 PSDS for further details.

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**TECHNICAL PROPERTIES**

VOLUMIC WEIGHT FRESH MORTAR (UNI 8995)	1.70 ± 0.05 g/cm <sup>3</sup>
POT- LIFE	15 mins at 20°C
MIXTURE WATER	Approx 16%
GRANULOMETRY	≤ 1,15mm
ADHESION	>0,6 MPa
MIN THICKNESS	0,3 cm
MAX THIKNESS PER COAT	5 cm
MAX THICKNESS	10 cm
MED COMPRESSION STRENGTH (AFTER 28 DAYS)	20,5 MPa
MED FLEXURE STRENGTH (AFTER 28 DAYS)	5,5 MPa

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**YIELD**

Each centimetre of thickness requires approx 18 kg/m<sup>2</sup> of ARDMALTA.

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**TENDER  
SPECIFICATION ITEM**

FIBRE-REINFORCED THIXOTROPIC MORTAR BASED ON QUICK DRYING SYNTHETIC RESINS & SPECIAL CEMENT SUITABLE FOR A MAX 10 CM VOLUMETRIC FILLING.

Application on treated mineral & other surfaces, of a fibre reinforced thixotropic mortar based on special cement & synthetic resins with anti-carbonation characteristics suitable for a max 10 cm volumetric filling called ARDMALTA RAPIDA (Ard F.lli Raccanello SpA) with a minimum consumption per centimetre of 18 kg/m<sup>2</sup>.

€/m<sup>2</sup>

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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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35129 PADOVA – Zona Ind.le Nord 1ª Strada, 13 – Tel. 049.8060000 (5 linee)  
Fax 049.773749 – www.ard-raccanello.it - E-mail: [ardspa@ard-raccanello.it](mailto:ardspa@ard-raccanello.it)