



CODE 1.963.0055

## **ardcoat**

Adhesive filler for ETICS

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### **GENERAL PROPERTIES**

ARDCOAT is a premixed grey cementitious monocomponent particularly suitable for the bonding & filling of interior/exterior thermo insulating panels such as expanded polystyrene, stiferite, mineral fibre (rock or glass) & cork for ETICS.

The remarkable mechanical properties guarantee a solid adhesion to insulating panels, (which are notoriously subject to creeping), as well as the most common mural substrates such as bricks, tiles, plastered mural surfaces & concrete.

Furthermore, the particular granulometry & optimum workability result in a filling mortar which offers an excellent uniforming power, easy application & a finishing similar to two-coat plaster work.

Ardcoat is also suitable for reinforced fillings on coplanar surfaces with old paintwork or bonded coatings.

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### **INSTRUCTIONS**

#### **Substrate preparation:**

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

- If surface irregularities are more than 1 cm thick, even the surface using ARDPLAN AS/BS according to the thickness required.
- Chalky surfaces must be treated with ISOREST 0.076. diluted appropriately.

#### **Application:**

- Carefully mix a 25 kg box of ARDCOAT with 5,5-6 litres of clean water avoiding the formation of lumps, (we suggest using a mechanical mixer) until homogeneous and of plastic like consistency.
- Leave to rest for at least 10 minutes, remix & proceed with the application.
- Use ARDCOAT within 4 hrs of it being mixed.
- Do not apply below 5°C or above 30°C.
- Do not apply on wet/ frozen substrates or under strong sunlight/winds.
- Use a trowel/spatula to apply 1.963.0050 on the surface of the insulating panels & check adhesion.

- Allow at least 48 hrs & smooth the surface, lay the alkali resistant reinforced net and apply a second filling which must be smoothed in order to cover the net perfectly. The recommended final finish should be at least 3mm thick.
- After 5 - 6 days proceed with the finishing coat desired.
- Store at ambient temperature & protect against humidity.
- Wash equipment with water immediately before the mortar begins to harden.
- The mixed product is highly alkaline: use gloves & protective eyewear. **Eye contact:** wash eyes immediately with plenty of water for a few minutes.
- Refer to the PSDS for further details.

<b>TECHNICAL PROPERTIES</b>	FRESH MORTAR VOLUME WEIGHT (UNI 8995)	<b>3,5 mm</b>
	FRESH MORTAR VOLUME MASS	<b>1,73 ± 0,02 g/cm<sup>3</sup></b>
	AVERAGE COMPRESSION RESISTANCE (28 DAYS)	<b>15±1 Mpa</b>
	AVERAGE FLEXURE RESISTANCE (28 DAYS)	<b>5±0,5 Mpa</b>
	CAPILLARY WATER ABSORPTION (UNI EN 12806)	<b>≤ 1 kg/m<sup>2</sup></b>
	DRY TRACTION RESISTANCE (UNI EN 1607)	<b>0,12 ± 0,01 N/mm<sup>2</sup></b>
	2 DAY TRACTION RESISTANCE IN WATER (UNI EN 1607)	<b>0,11 ± 0,01 N/mm<sup>2</sup></b>
	7 DAY TRACTION RESISTANCE IN WATER ((UNI EN 1607)	<b>0,10 ± 0,01 N/mm<sup>2</sup></b>
	RESISTANCE TO PERFORATION (UNI EN 13498 SPHERE 20 MM)	<b>476.7 N</b>
	POT- LIFE	<b>Max 4 hrs</b>
	THROUGH DRYING	<b>Approx 48 - 60 hrs</b>
	THERMAL CONDUCTIVITY λ	<b>0,67W/mk</b>

## **YIELD**

The yield varies according to the flatness & thickness of the layer applied during the filling phase. Approx 6 -7 kg/m<sup>2</sup> of powdered product.

## **TENDER SPECIFICATION ITEM**

### **ETICS' adhesive**

Application on treated surfaces of cement based adhesive for ETICS', synthetic unsaponifiable copolymers & selected quartz flour, like ARDCOAT with a minimum consumption of 4 kg/m<sup>2</sup> of powdered product.

€/m<sup>2</sup>

### **ETICS' filler**

Application on treated insulated surfaces of a cement based filler for ETICS', synthetic unsaponifiable copolymers & selected quartz flour, type ARDCOAT with a min consumption of 1,3 kg/m<sup>2</sup> of powdered product per mm of thickness.

€/m<sup>2</sup>

### **Reinforced filler**

Application on treated surfaces of a cement based filler, synthetic unsaponifiable copolymers & selected quartz flour, type ARDCOAT with a min consumption of 1,3 kg/m<sup>2</sup> of powdered product per mm of thickness.

€/m<sup>2</sup>

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.  
*Revision 2014/07*



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