



CODE 1.962.0050

## **ardplan AS/BS**

Finishing filler coat for interiors & exteriors

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### **GENERAL**

### **PROPERTIES**

ARDPLAN AS/BS is a grey premixed product based on rapid hydration drying cement binders, inert fillers of selected granulometry & special fluidizing resins. ARDPLAN AS/BS is ideal for fillings from 2 to 20 mm of thickness per layer. ARDPLAN AS/BS, mixed with water, produces an effort free application mortar with a fine plaster trowel effect finish.

The product has been devised to obtain a remarkable adhesion on substrates such as concrete, smooth prefabricated structures, non absorbent glossy surfaces & plastic coatings etc.

It's the perfect solution for anti-carbonation fillings of decaying concrete such as panels, pillars, beams, risers & cornices.

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### **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.
- The surface of the support must have a uniform water absorption and not presenting big irregularities. To facilitate adhesion, an high superficial roughness must always be guaranteed
- Protruding iron bars: carefully 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 ARDPLAN AS/BS with approx 6 litres of clean water, with a low speed stirrer agitator, avoiding the formation of lumps, and mix until smooth & of plastic like consistency.
- Leave to settle for 2-3 minutes, stir lightly & apply.
- Use ARDPLAN AS/BS within 3 hrs of it being mixed.
- Apply with a plastic or stainless steel float & level with a sponge trowel. Allow at least 1 hour & proceed with the filling process.

- 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 finishing product.
- 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 eyewear. **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)	1.60 ± 0.05 g/cm <sup>3</sup>
	POT- LIFE	3 hrs at 20°C
	MIXTURE WATER	Approx 24%
	GRANULOMETRY	≤ 0.9
	MED COMPRESSION (STRENGTH AFTER 28 DAYS)	13.0 MPa
	MED FLEXURE (STRENGTH AFTER 28 DAYS)	5.0 MPa
	VAPOUR PERMEABILITY μ	25
	WATER ABSORPTION	Class W2
	ADHESION TO SUPPORT ( CONCRETE)	➤ 1.0 N/mm <sup>2</sup>

#### YIELD

The yield of ARDPLAN AS/BS per millimetre of thickness is 0,75 m<sup>2</sup>/kg.

#### TENDER SPECIFICATION ITEM

FILLER BASED ON RAPID HYDRATION CEMENT BINDERS & FLUIDIZING RESINS, IDEAL FOR FILLINGS TILL A MAXIMUM THICKNESS OF 2 CM

Application on treated mineral & other surfaces, of a thixotropic filler based on fast hydration cement & synthetic resins with anti-carbonation characteristics with a fine plaster trowel effect finish, ideal for fillings no thicker than 2 cm called ARDPLAN AS/BS (Ard F.Ili Raccanello SpA) with a consumption per millimetre of 1,3 kg/m<sup>2</sup>.

€/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 2019/03



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