

ARACO PLAST HAND

One-Component Ready-mixed Cementitious Plaster

Product Description

ARACO PLAST HAND is a cement based plastering composed of hydraulic binders, selected sand, aggregates and special additives. ARACO PLAST HAND is a development of typical properties of the pre-mixed plaster meets the requirements of BS 5262, BS 5492, and ASTM C642, C1506, C109 & C191.

Applications

ARACO PLAST HAND can be used especially the following application: -

- Interior walls and ceilings
- Cement based substrates
- Rough surfaces
- Block walls
- Concrete blocks

Product Advantage

- Ready to use product that only requires the addition of water
- Reduces water absorption
- Excellent workability
- Enhanced fast setting
- Reduces expected shrinkage cracks
- Complies with international standards

Surface Preparation

Substrate must be clean and free from all foreign or contaminating materials such as oils, grease, curing compounds, dust, and loose aggregate or sand particles. Moisten the surface few hours before applying ARACO PLAST HAND.



Package: 50 Kg Bags

Consumption: 20 kg/m² per 1 cm THK

Product Application & Mixing

Mix ARACO PLAST HAND 50 kg bag with 7.5-9.5 liters of potable water using an electric drill with low rotation speed (300rpm) until a lump free homogeneous mixture is obtained. Allow the mixture to stand for 2-3 minutes before starting application. ARACO PLAST HAND can be applied using a trowel or by spraying machine in one coat thickness of 10-15 mm. For more thickness, it is recommended to apply the second layer after 48 hours, allowing the first layer to set properly. Finish the surface using a synthetic sponge.

Curing

After application, Cure with water for three days by spraying 3 to 4 times daily.

Technical Data

Flexural Strength

Average strength at 3 days	2.20 Mpa	ASTM C109
Average strength at 7 days	2.96 Mpa	
Average strength at 28 days	4.43 Mpa	

Compressive Strength

Average strength at 3 days	7.16 Mpa	ASTM C109
Average strength at 7 days	14.1 Mpa	
Average strength at 28 days	20.0 Mpa	

Bond Strength

1.0 cm layer	>0.25 Mpa	BS EN 1542:1999
1.5 cm layer	>0.25 Mpa	

Tensile Strength

Average strength at 28 days	14.5 Mpa	BS 6319-7
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Water retention	83%
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Settig Time

Initial setting time	115 minutes
Final Setting time	190 minutes

Density Powder	2.0 kg/L ± 0.10
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Bulk Specific Gravity	2.29 kg/L ± 0.10
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Absorption %@ 72 hours	11.6 %
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Pot Life	50 minutes
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Product Data

Composition	Selected sand, Portland cement, and chemical additives
Appearance	Grey Powder
Storage condition	Store in a dry area between 5°C and 35°C. Protect from direct sunlight
Shelf Life	12 months minimum from production date if stored properly in original an opened packaging

Safety Instructions

The product may cause skin irritation. Wear gloves and goggles and apply barrier cream to your hands. In contact with eyes or mucous membrane. flush immediately with plenty of warm water and seek medical attention without delay.

Legal Notes

The information, recommendations, and application are based on ARACO current knowledge and experience of the products when properly stored, handled, and applied under normal conditions. ARACO products are guaranteed against defective materials and manufacture and sold subject to standard conditions. Users should always refer to the most recent technical data sheet for the product concerned, copies of which will be supplied on request.

More from ARACO

A wide range of construction chemical products is manufactured by ARACO which include:

- Premixed mortar
- Tile adhesives & Grout
- Concrete Repair
- Flooring systems
- Protective Coating
- Waterproofing
- Bonding Agents
- Concrete Admixtures
- Surface Treatments
- Grout & Anchors
- Sealants
- Sports Flooring