



ARACO PLAST HAND

High Performance Cementitious Plaster

Product Description

ARACO PLAST HAND is a cement based plastering material composed of hydraulic binders, selected sand, aggregates and special additives.

ARACO PLAST HAND is supplied as a dry powder. It requires only addition of clean water to produce a workable mortar. **ARACO PLAST HAND** is specially formulated for application by hand or spray machine. It contains special shrinkage control additives and provide good adhesion with a unique uniform color.

Standards Compliance

- BS EN 5262
- BS 5492
- ASTM C642 and C1506
- ASTM C109 & C191.

Applications

ARACO PLAST HAND can be applied on:

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

Advantages

- Shrinkage control
- Reduces water absorption
- Improve workability and curing
- Enhanced fast setting
- Uniform work flow enables high productivity and superior finishing
- Strong adhesion
- Complies with international standards.
- Suitable for dry and humid conditions

Characteristics

Appearance	Grey Powder
Max. Agg. Size	Up to 1 mm
Density	2 kg/liter
Applicable thickness	Single Layer: 10-12mm Multiple layer :15mm
Pot Life	45 min
Setting time	3 – 5 Hours
VOC	<10 g/ltr
Storage Condition	Store in a dry shaded area at temperature between 5°C and 35°C.
Shelf life	Original Sealed container has a shelf life of 6 months if stored in the right conditions



ARACO PLAST HAND

PACKAGE	50 Kg
CONSUMPTION	1.7 kg per m ² per 1 mm THK

Surface Preparation

Substrate must be clean and free from all foreign or contaminating materials that might impair the quality of bond with the substrate such as oils, grease, curing compounds, dust, and loose aggregate or sand particles.

Prior to the application of **ARACO PLAST HAND**, soak the entire surface with clean water. The substrate should be saturated, surface dry, at the time of **ARACO PLAST HAND** application.

Mixing

For each **ARACO PLAST HAND** 50 kg bag, add 7.5-9.5 liters of potable water.

Mix the materials using an electric drill with low rotation speed (300 rpm) for 2-3 minutes until a lump free homogeneous mixture is obtained.

Manual mixing is allowed for small batch quantities for approx.1-2 min or until a lump free homogeneous mixture is obtained.

Mixed Materials should be used within 90 min.

Always mix the required quantity, which can be consumed.

ARACO FOR ADMIXTURES & CONSTRUCTION MATERIALS S.a.I.



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High Performance Cementitious Plaster TECHNICAL DATA

	RESULTS	STANDARD
Flexural Strength		
Average strength at 3 day	2.20 Mpa	
Average strength at 7 days	2.96 Mpa	ASTM C348
Average strength at 28 days	4.43 Mpa	
Compressive Strength		
Average strength at 3 day	7.16 Mpa	
Average strength at 7 days	14.1 Mpa	ASTM C109
Average strength at 28 days	20.0 Mpa	
Tensile Strength		
Average strength at 28 days	16.8 Mpa	BS 6319-7
Bond Strength		
1.0 cm layer	1.30 MPa	BS EN 1542:1999
1.5 cm layer	1.00 MPa	

Application

ARACO PLAST HAND can be applied in a single or multiple layers at thickness 10-12 mm per layer.

Apply the mixed material using a mechanical spray, or trowel technique.

Rod or level to uniform thickness then follow smoothing the material to a desire appearance.

It is recommended to wait a period of 48hours to apply a second layer.

Finish the surface using a synthetic sponge.

Curing

Cure **ARACO PLAST HAND** by spraying water of its surface every 12 hrs. for a minimum of 3 days. During hot and dry conditions allow the curing for a minimum of 5 days. The applied area should be protected from direct sunlight and heavy wind.

Safety instructions

Product may cause skin irritation. Wear gloves and goggles and apply barrier cream to 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 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 are sold subject to its 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.

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