

## ARACO PLAST FIBER

### Fiber Reinforced Waterproof Plaster

#### Product Description

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

**ARACO PLAST FIBER** is supplied as a dry powder. It requires only addition of clean water to produce a workable mortar. **ARACO PLAST FIBER** 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, C1506
- ASTM C109 & C191

#### Uses

**ARACO PLAST FIBER** can be applied on:

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

#### Product Advantages

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



**Package:** 50 Kg Bags

**Consumption:** 2 kg per m<sup>2</sup> 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 FIBER**, soak the entire surface with clean water. The substrate should be saturated, surface dry,

#### Mixing

For each **ARACO PLAST FIBER** 50 kg bag, add 8.5–10.5 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.

## Application

ARACO PLAST FIBER can be applied in a single or multiple layers at thickness 10–15 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 FIBER 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.

## Technical Data

### Flexural Strength

Average strength at 3 days	3.03 Mpa	
Average strength at 7 days	4.97 Mpa	ASTM C348
Average strength at 28 days	6.15 Mpa	

### Compressive Strength

Average strength at 3 days	10.9 Mpa	
Average strength at 7 days	17.0 Mpa	ASTM C109
Average strength at 28 days	21.1 Mpa	

### Tensile Strength

Average strength at 28 days	14.5 Mpa	BS 6319-7
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## Product Data

Appearance	Grey Powder
Maximum Agg. Size	Up to 1 mm
Density	1.73 kg/liter
Application Thickness	Single Layer: 10-15mm Multiple layer :15mm
Pot Life	45 min
Setting time	3 – 5 Hours
VOC	<10 g/ltr
Storage condition	Store in a dry area between 5°C and 35°C. Protect from direct sunlight
Shelf Life	Original Sealed container has a shelf life of 6 months if stored in the right conditions

## 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