

Arki-Plaster C[®]

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Version: 1
Edition: 2



Portland cement based coloured render for interior and exterior applications

Description

Arki-Plaster C is a dry, pre-blended, polymer-modified cementitious dry mortar formulated to be mixed with water to provide a high performance coloured plaster material.

Arki-Plaster C is formulated to be used as a thick coloured plaster up to 10 mm over rigid cementitious substrates such as normal plaster.

Arki-Plaster C is designed to be worked over its surface to give various attractive patterns. It also easily applied, trowelled and worked to a flat finish by sponge, float or trowel without any addition of water.

Advantages

- Easy to apply.
- Durable.
- Wide range of finishing textures.
- Excellent mechanical properties.
- Suitable for tropical and hot climate conditions.

Standard compliance

Arki-Plaster C conforms to appropriate sections of ASTM C 926; standard specification for application of Portland cement-based plaster.

Product properties*

Type:	Pre-mixed cementitious powder
Mix ratio:	4.0 litres of cold clean water per 20 kg bag
Bulk density:	~1.45 kg/l
Wet density:	1.75 kg/l
Pot life:	45 minutes
Coverage:	1.4 m ² / 20 kg bag at 10 mm thickness
Set time:	24 hours
Compressive strength: (EN1015-11:99)	≥ 2.5 MPa (after 28 days)
Flexural strength: (EN 1015-11:99)	≥ 1.0 MPa (after 28 days)

Directions for use

Substrate preparation

Surface to be levelled should be clean, sound and free from any residual mould oil, dust loose particles and other contaminations. All loosely adhering and projecting material should be removed.

Ensure that the surface is damp before applying Arki-Plaster C.

Mixing

Consistency is dependent largely on the amount of mixing-water used. Standard value is about 4.0 litres of water per 20 kg bag of Arki-Plaster C. The Arki-Plaster C added to the water during the mixing process which should be carried out using a grout mixer or a slow speed drill fitted with high shear mixing paddle. Mixing should remain for 2 minutes until the material becomes homogeneous and even in consistency.

Mixed plaster should be used within its pot life. Mix only quantities that can be applied within the pot life. Hard and set plaster should not be re-mixed or used.

Placement

The mixed Arki-Plaster C is applied by traditional hand application by placing and compacting the mixed mortar onto the substrate surface using steel trowel in a thickness up to 10 mm applied in layers. Trowel into place and allow the mortar to stiffen before the next lift.

Finishing

Finish the applied mortar to match the surrounding area using wooden or plastic floats. Do not use water during the finishing stage. Use only damp sponge if required.

Curing

In normal conditions, keep the surface moist for 3 days after application to permit continuous hydration of the cementitious materials.

Under high temperature and dry conditions or strong wind, it is recommended a periodically fine spray on the applied surface with water for additional 2 days.

Cleaning

Clean tools with water before hardening of the plaster.

Packaging

20 kg bags

Arki-Plaster C

Storage and shelf life

Arki-Plaster C has a maximum shelf life of 12 months when stored in dry warehouse conditions in unopened, undamaged original bag. Storage should be away from direct sunlight in ambient temperature between 5°C and 35°C.

Safety precautions

Arki-Plaster C is a non-flammable material and not classified as a hazardous material under current legislations.

The cement content of the product may cause irritation to the skin and eyes. Therefore, unnecessary contact with the product is to be avoided and suitable gloves and goggles must be worn.

Accidental contact of Arki-Plaster C to the skin or eyes should be washed off with clean water. In the event of prolonged irritation, seek medical advice.

Do not dispose into water or soil. Dispose the material according to local regulations.

For further information refer to the material safety data sheet.

Technical support

Arki provides assistance to its customers and gives site support, consultations and technical advice on concrete repair, surface preparation and treatment, protective coatings, tile adhesive, engineering grouts, waterproofing materials.

Additional Arki products

Arki produces high quality products intended for use in construction activity, among these products:

- Admixtures for concrete and mortar.
- Surface treatments and primers.
- Engineering grouts.
- Concrete repair and restoration systems.
- Industrial flooring systems.
- Protective coatings and linings.
- Waterproofing materials.
- Adhesives and tiling systems.
- Construction sealants and joint fillers.

Product Quality

All Arki products are manufactured under an independently certified quality management system to conform to the requirements of the international standards.

