

Portland cement based coloured plaster for interior and exterior applications

Description

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

After initial application the surface may be worked to give various attractive patterns.

Arki-Plaster C is formulated to be used as a thick coloured plaster up to 25mm over rigid substrates including concrete block, stucco mesh and brick.

Arki-Plaster C is easy to apply, trowelling, and working to a flat finishing by sponge, float or trowel.

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
Colour:	Arki standard colour range
Mix ratio:	~ 3.8 litres of cold clean water per 20 kg bag
Bulk density:	~ 1.45 kg/l
Wet density:	~ 1.75 kg/l
Pop life:	2 Hours
Coverage:	13.6 m ² / 20 kg bag at 1 mm thickness
Set time:	4 hour
Compressive strength:	6.0 MPa (after 7 days) 10.0 MPa (after 28 days)
Flexural strength	1.1 Mpa (after 28 days)

* Values are valid at ambient temperature of 23°C and at 55% relative humidity.

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 3.8 litres of water per 20 kg bag of Arki-Plaster C. The Arki-Plaster C must be added slowly 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 at least 3 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 25mm 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. Don't 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 to fine spray periodically the applied surface with water for additional 2 days.

Cleaning

Clean tools with water before hardening of the Plaster.

Packaging

20 kg bags

Storage and shelf life

Arki-Plaster C has a minimum 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.

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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.



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Users should always refer to the most recent issue of the product technical data-sheet for the product concerned, copies of which will be supplied on request.
Arki products are guaranteed against defective materials and manufacture and are sold subject to Arki standard terms and conditions of sales.
Because the storage, handling and application of these products are beyond our control, we can accept no liability for the results obtained.