

# Arki-Spatter D4<sup>®</sup>

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Version: 1  
Edition: 1



## Ready-to-use Portland cement based spatter-dash.

### Description

Arki-Spatter D4 is a pre-blended polymer-modified Portland cement-based spatter-dash designed for application to fair faced and rough-formed concrete, old and new masonry, cement-based slabs and on block walls prior to plastering applications.

Arki-Spatter D4 can be applied manually providing good key to substrate.

Arki-spatter D4 evens out absorbency of high- or variable-suction backgrounds.

### Advantages

- Ready to use dry-mix, only water is added.
- No additional additive is required.
- For interior and exterior use.
- High bond strength to all cementitious substrates.
- Used for humid and dry climate.
- Manual application.

### Product properties\*

<b>Type:</b>	Pre-mixed cementitious grey powder
<b>Mix ratio:</b>	~ 5.6 litres of cold clean water per 20 kg bag
<b>Wet density:</b>	~ 1.96 kg/l
<b>Average coverage:</b>	~ 3.2 m <sup>2</sup> / 20 kg bag at 4 mm average thickness
<b>Pot life:</b>	60 minutes
<b>Set time:</b>	4-8 hours
<b>Compressive strength: (ASTM C109)</b>	≥ 6 MPa (after 7 days) ≥ 10 MPa (after 28 days)
<b>Flexural strength: (ASTM C348)</b>	≥ 1.8 MPa (after 28 days)
<b>Bond strength: (Water Curing) (ASTM C7234)</b>	≥ 0.5 MPa (after 28 days)

\* Values are valid at ambient temperature of 23°C and at 65% relative humidity.

### Directions for use

#### Substrate preparation

Clean down the substrate to remove dust, dirt or any other matter impairing Arki-Spatter D4 bond. Remove firmly adhering substances, laitance, etc. If necessary, use high-pressure water jet or wet sand-blasting.

Ensure that the surface is damp before applying Arki-Spatter D4.

#### Mixing

Consistency of the mixed product is dependent largely on the amount of mixing- water used. Standard value is about 5.6 litres of water per 20 kg bag of Arki-Spatter D4. The Arki-Spatter D4 must be added slowly to the water during the mixing process which should be carried out using 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 material should be used within its pot life. Mix only quantities that can be applied within the pot life. Hard and set mortar should not be re-mixed or used again.

#### Placement

The mixed Arki-Spatter D4 can be applied by traditional spatter-dash hand application by hitting with a trowel.

Arki-Spatter D4 must cover at least 90% of the substrate and it must be left rough without smoothing. The spatter-dash coat is applied in a thickness of 3-5 mm.

Plaster material can be applied 3 days later after the application of Arki-Spatter D4, depending on the temperature and curing conditions.

#### Curing

Under normal condition, high bond strength can be achieved by moistening the applied surface for 1 to 3 days to permit continuous hydration of the cementitious materials. However, it is recommended to moist the applied surface for aforementioned period of time when the application is specially going under high temperature and dry conditions.

#### Cleaning

Clean tools with water before hardening of the mortar.

#### Packaging

20 kg bags

# Arki-Spatter D4

## Storage and shelf life

Arki-Spatter D4 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-Spatter D4 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-Spatter D4 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.

## Product Quality

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

## 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.

