

Arkimix® PV1

ID: G1-PV1
Version: 1
Edition: 1



High efficiency PVA bonding agent

Description

Arkimix PV1 is a P.V.A based emulsion for use as a mortar additive, primer and sealer. Arkimix PV1 increases the adhesion, flexibility, tensile strength and impact resistance of mortars.

Arkimix PV1 formulation is high in solids, and can be diluted at various ratios depending on the application. This means that Arkimix PV1 is very economical.

Key functions

- Additive to sand/cement for concrete patching applications.
- Additive in sand/cement for rendering applications.
- Additive in mortars for tiling over concrete, render, blockwork and rendered brickwork surfaces.
- Slurry into neat cement for bonding new sand/cement toppings onto concrete surfaces.

Application instructions

Type:	Formulated copolymer emulsion
colour:	White
Density:	1.02 kg/l

Surface preparation

All surfaces should be structurally sound, dry clean and free from dust, grease, oil, wax, curing compounds and any other loose contaminating materials.

Ensure all release agents are removed from surface of concrete, especially tilt-up slabs.

Painted surfaces should be scabbled to expose at least 80% of the original surface.

Steel trowel finished concrete must be acid etched or wire brushed prior to tiling.

Old concrete and rendered surfaces must be thoroughly cleaned prior to tiling.

Mixing Instructions

Rendering Mix:

1 part Arkimix PV1 + 4 parts water. 3:1 sand/cement mix. Apply with a flat trowel onto the surface to be rendered.

Priming and Sealing Mix:

1 part Arkimix PV1 + 3 parts water. Apply with a broom/brush onto the floor or wall.

Concrete Patching Mix:

1 part Arkimix PV1 + 4 parts water. 3:1 sand/cement mix. Apply with a flat trowel or spatula to patch holes or depressions in concrete or rendered surfaces after priming.

Joinery:

Neat Arkimix PV1 can be used to bond timber to timber. Apply with a brush or roller.

Dosage

Arkimix PV1 is used in a rate of 8 to 10 litres per 50 kg cement depending on the type of application.

Note: The above dosage rates and mix ratios are a guide only. It is the contractor's / user's responsibility to ensure that all the materials to be used are compatible and further that they meet the design criteria and specification requirements.

Curing

Correct curing of Arkimix PV1 modified mixes is important. Moisture-cure for at least 1 day and then allow to dry out slowly.

Cleaning

Clean tools with water before hardening. Hardened material can only be removed mechanically.

Storage and shelf life

Arkimix PV1 has a minimum shelf life of 12 months when stored in good warehouse conditions away from direct sunlight in ambient temperature between 5°C and 35°C.

For ambient temperatures outside this range consult Arki for advice.

Packaging

Arkimix PV1 is supplied in 5L and 20 L containers.

Safety precautions

Arkimix PV1 is a non-flammable material.

Arkimix PV1 is not classified as hazardous material under current legislations.

Arkimix PV1 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.

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

Arkimix PV1

Accidental contact of Arkimix PV1 to the skin or eyes should be washed off with clean water. In the event of prolonged irritation, seek medical advice.

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, tile adhesive and tile grout selection and tile installation techniques.

Additional Arki products

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

- Concrete Admixtures
- Concrete repair materials.
- Mould release agents and curing compounds.
- Waterproofing materials.
- Flooring systems.
- Tile adhesives and tile grouts
- Protective coatings.

Product Quality

All Arki products are manufactured under a quality management system independently certified 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.