

Solvent-free epoxy resin based primer

Description

Arki-Primer EP1 is a solvent free epoxy system which contains no pigments or fillers. It has been designed as a high performance primer for use in conjunction with Arki-Kote and Arki-Top resinous systems where optimum substrate sealing and maximum adhesion to the substrate is essential.

Arki-Primer P1 has significant benefits in respect of penetration, binding power and surface finish.

Uses

Sealing primer used prior to the application of flooring and coating materials to ensure good adhesion and a defect-free final surface.

Advantages

- Ensures optimum bond to a wide variety of substrates.
- High mechanical strength.
- Solvent-free system.
- Supplied in pre-weighed units.
- Easy to use.

Product properties*

Type:	Two component liquid epoxy-based resin
Mixing ratio:	Factory proportioned.
Solid content:	100%
Specific Gravity:	~ 1.10
Pot life (ASTM C2471):	45 minutes @23°C 20 minutes @35°C
Cure time:	
Dry to touch:	8-10 hours @23°C 4-6 hours @35°C
Open time:	4-10 hours @23°C 2-8 hours @35°C
Full cure:	7 days @23°C 5 days @35°C
Coverage:	~20 m ² /litre
Bond strength* (ASTM D4541):	>3.0 MPa-concrete failure
Shore 'D' hardness*:	~70

* Values are valid for material cured for 14 days and tested at ambient conditions of 23°C and at 55% RH.

Directions for use

Substrate preparation

All surfaces to receive Arki-Primer EP1 must be structurally sound, dry, clean and free of surface contaminants. Proper surface preparation is an extremely important factor in the immediate and long-term successful performance of applied epoxy system.

Concrete floors must be at least 4 weeks old and have a moisture content of not more than 5%.

Mixing

Add Arki-Primer EP1 - Part B (Hardener) to Part A (Base). Mix with low speed drill and Jiffy blade for three minutes until the material becomes uniform and even in consistency. To insure proper system cure and performance, do not mix part packs and do not add solvent at any stage.

Note: Increase in temperature will decrease pot life, as will leaving mixed material in a large mass. Spread out material in a thin layer as soon as possible after mixing.

Application

Apply the mixed Arki-Primer EP1 uniformly to the prepared surface using nylon bristle brush or short nap roller at a spread rate of about 20 m²/litre. Take care not to puddle materials and insure even coverage.

Note: Material left in the pail will generate heat and have a reduced pot life.

Once primer has become tacky to the touch, proceed to installation of a Arki-Top flooring system or Arki-Dur repair system. Refer to technical data sheet for installation instructions.

Note: Primed surfaces should be recoated within the open-time of the primer.

Packaging

4.0 Litre packs

Coverage

4.0 L pack of Arki-Primer EP1 cover 40 m² in a single coat. This is an approximate spread rate given for estimating purposes only.

Cleaning

Clean up mixing and application equipment immediately after use using Arki-Solv 1.

Storage and shelf life

Arki-Primer EP1 components have a shelf life of 12 months when stored in a dry place and good warehouse conditions in unopened, undamaged original packaging. If stored at high temperatures and/or high humidity conditions, the shelf life may be reduced.

Safety precautions

Spillages of component products should be absorbed onto earth, sand or other inert material and transferred to a suitable vessel. Disposal of such spillages or empty packaging should be in accordance with local regulations.

Arki-Top E80 should not come in contact with skin or eyes. Avoid prolonged inhalation of vapours. Some people are sensitive to epoxy resins, hardeners and solvents. Gloves, goggles and barrier cream should therefore be used. Ensure adequate ventilation and if working in enclosed areas, suitable breathing apparatus is recommended.

If mixed resin comes in contact with skin, it must be removed before it hardens with a resin removing cream or with soap and water. Do not use solvent. Contamination of skin with any of the Arki-Primer EP1 components should be removed immediately with soap and water.

Should accidental eye contamination occur with any of the above products, wash well with plenty of clean water and seek medical advice. If swallowed, seek medical attention immediately. Do not induce vomiting.

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 all aspects related to specifications and application methods of construction chemicals and building 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 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.