

High-build, solvent-containing epoxy floor coating

Description

Arki-Top E60 is a high-build low solvent containing two-component epoxy floor coating. It has excellent opacity and coverage power and high abrasion and chemical resistance.

Arki-Top E60 cures to produce a semi-gloss to gloss finish that is sufficiently slip resistant for most dry situations. For wet areas, or where maximum slip resistance is required, non-slip grains (Arki-Floor RUF) can be used to produce a variety of textures.

Key functions

- Pulp and paper mills.
- Dairies.
- Vehicle workshops.
- Chemical and oil industry.
- Car parking areas.
- Warehouses.

Advantages

- Durable
- High resistance to chemicals.
- Good abrasion resistance.
- Easy to clean.
- Can be made non-slip.

Product properties*

Type:	Epoxy-based solvent-containing floor coating
Mixing ratio:	Factory proportioned.
Solid content:	60% (volume)
Specific Gravity:	~ 1.30
Recommended wet film thickness (WFT):	125 microns per coat
Dry film thickness (DFT):	150 microns per 2 coats (recommended)
Pot life (ASTM C2471):	45 minutes @23°C 20 minutes @35°C
Dry to touch:	8-10 hours @23°C 4-6 hours @35°C
Recoat:	12-24 hours @23°C 8-16 hours @35°C
Light traffic:	24 hours @23°C 18 hours @35°C

Full cure:	7 days @23°C 5 days @35°C
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Chemical resistance:

Lactic acid 10%, Hydrochloric acid 10%, Sulphuric acid 10%, Citric acid 10%, Sodium hydroxide 10%, Petrol, Distilled water, Kerosene, Detergents.

Coverage:	5 m ² /litre @ 200 microns WFT
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Abrasion resistance (ASTM D4060):	CS17 wheel, 1000 cycles, 90 mg lost.
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Bond strength (ASTM D4541):	>3.0 MPa - concrete failure.
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Pencil hardness (ASTM D3363):	2H
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* Values are valid at ambient temperature of 23°C and at 55% relative humidity.

Directions for use

Surface preparation

All surfaces to receive Arki-Top E60 must be structurally sound, flat, 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 Arki-Top E60.

Any surface irregularities or damage should be repaired using one of the Arki range of repair materials.

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

Steel substrates should be grit blasted to surface quality of SA 2½ in accordance to BS 7079 and ISO 8501 followed by the application of one coat of Arki-Primer EP7.

Mixing

Add Arki-Top E60 - 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 colour. To insure proper system cure and performance, do not mix part packs and do not add solvent at any stage.

Application

Apply the mixed Arki-Top E60 uniformly to the prepared surface using brush or lambs-wool

roller at a spread rate of 5.0 m²/litre to yield 200 microns WFT. Take care not to puddle materials and insure even coverage. Allow to cure 24 hours minimum before opening to traffic.

Apply the second coat as soon as the first coat has initially dried.

Note: Epoxy materials will appear to be cured and dry-to-touch prior to full chemical cross-linking. Allow epoxy to cure 6-7 days prior to exposure to water or other chemicals for best performance.

Packaging

4.0 Litre packs

Coverage

4.0 L pack of Arki-Top E60 cover 16 m² in two coats of 200 microns each. This is an approximate spread rate given for estimating purposes only.

Cleaning

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

Storage and shelf life

Arki-Top E60 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

The two components of Arki-Top E60 are flammable materials. Do not expose to naked flames or other sources of ignition. Containers should be tightly sealed when not in use. In the event of fire, extinguish with CO₂ or foam.

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 E60 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 ArkipTop E60 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:

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

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.