

Aftek Epilox Binder Kit 30L

Product Images



Short Description

Epilox is an epoxy resin binder system for combining with selected aggregates and graded fillers to form high strength mortars ranging from pourable to paste consistency. It has a wide range of applications and is commonly used as a primer for Epilox floor coatings and toppings, as well as Epilox mortars. It is ideal for bonding, sealing, priming, coating and grouting. It can also be used on vertical or horizontal applications as structural epoxy adhesive paste and filler. Available in 1.5 litre, 6 litre and 30 litre kits.

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Features:

- 100% solids epoxy
- Solvent free
- Low VOC
- High tensile and compressive strength
- Bonds to damp concrete
- High mechanical strength
- Excellent adhesion to most substrates
- Cures at temperature down to 5° C
- High chemical resistance
- Unfilled system
- Allows for mortars and grouts to be mixed to any desirable consistency
- Typically 3-4 times stronger than typical concrete

Suitable for:

- Use on damp substrates
- Preparing high strength mortar for repair of damaged concrete or masonry in vertical or horizontal surfaces
- Grouting starter bars, load bearing bolts and base plate supports in concrete
- Sealing of cracks in concrete
- Filling of voids in spalled concrete to restore to original condition with enhanced strength performance
- As a repair mortar where high chemical and abrasion resistance is enquired
- Patching large sections where high strengths are required
- May be used in flowable consistency or trowellable consistency to cater for any repair shape or size
- Can be used for external applications
- High adhesive bond strength to concrete
- Structural bonding new to old concrete
- Structural repair to spalled concrete
- As a primer for Epilox floor coatings
- Addition of Epilox Fillers to produce Epoxy mortars and grouts

APPLICATION

Surface Preparation:

Clean the surface and remove any dust, unsound material, plaster, oil, paint, grease, corrosion deposits or algae. Roughen the surface and remove any laitance and expose aggregate by light scabbling or grit-blasting. All anchor bolt holes must be free of water and debris prior to placing of Aftek Epilox Epoxy Binder. Steel surfaces such as reinforcement bars should be grit-blasted or scabbled to remove any corrosion.

Mixing:

The mix ratio is 2:1 by volume, 2 parts Part A and 1 part Part B. Any steel reinforcement and formwork should be prepared, cut to size and shape and made ready for assembly before mixing commences. Care should be taken to ensure that Epilox Epoxy Binder is thoroughly mixed. The entire contents of the hardener (Part B) tin should be poured into the base (Part A) tin and the two materials thoroughly mixed using a suitable slow-speed drill and high shear mixing paddle. Do not over mix as this may incorporate air bubbles. Only mix material that can be used within the setting time.

Placement:

Aftek Epilox Epoxy Binder should be applied as soon as the mixing process has been completed. It should be brushed, rolled or spray applied to the prepared surfaces. The new concrete or screed should be applied to the coated substrate within 60-90 minutes at 20 °C or when the surface is tacky, but not wet. As soon as the Aftek Epilox Epoxy Binder is applied, any required steel reinforcement and/ or formwork should be erected and fixed securely in place. Ensure the Aftek Epilox Epoxy Binder is tacky prior to application of repair mortar. If the application of the Aftek Epilox Epoxy Binder has cured and is touch dry, DO NOT apply cementitious repair mortar. Re-apply with a second coat of Aftek Epilox Epoxy Binder to be the first coat and allow reaching a tacky consistency before applying the cementitious repair mortar.

Clean Up:

Clean up uncured material and equipment immediately after use using Aftek solvent. Do not use solvents on skin. Cured Aftek Epoxy Binder is difficult to remove via chemical means and mechanical means may be necessary.

Storage:

Store between 10 °C and 30 °C away from direct sunlight. Shelf life is 12 months in original unopened container.

Yield:

1 litre of Epilox mixed with 1.5 kg F4 Coarse Filler yields 2 litres very fluid grout

1 litre of Epilox mixed with 7.5 kg F4 Coarse Filler yields up to 6 litres dry trowellable mortar

1 litre of Epilox mixed with 1.7 kg F6 Fine Filler yields 2 litres very fluid grout

1 litre of Epilox mixed with 10 kg F6 Fine Filler yields 7 litres dry trowellable mortar

Refer to TDS for more information

Additional Information

CODE	40-EPBNDR30
U.O.M	Each
Colour	Amber
Suits Substrate	Concrete, Masonry
Brand	Aftek
Size	30 L
Appearance / Composition	Multi-Part Mixture
Compressive Strength at 28 days (MPa)	120 unfilled (Typical)

