

PolyPoxy A25

Description

PolyPoxy A25 is high strength, structural epoxy adhesive used for vertical anchoring of fasteners, rebars, and dowels into concrete or stone, and can also be used for other epoxy bonding surface applications.

Key Features

- Fast-setting and strength-producing adhesive.
- Paste consistency ideal for vertical repair of concrete.
- Dense system increases chemical resistance.
- Maximum impact and abrasion resistance.
- Easy to Mix.
- Flowable product, ideal for vertical anchoring.

Uses

- Fixation of dowels, bolts, and starter bars into concrete.
- Structural bonding of concrete to a maximum glue line of 3 mm.
 - Interior, vertical repair of concrete as an epoxy binder.

Standards

Conforms to **ASTM C-881**, Types I and IV, Grade-3, Class-B&C

Conforms to **AASHTO M-235** .

| Property | Test | Result |
|----------------------|-----------|--------------|
| Bond Strength | ASTM C882 | >2000 psi |
| Compressive Strength | ASTM D695 | > 12,500 psi |
| Tensile Strength | ASTM D638 | > 4000 psi |
| Open time | 20-40min | |
| Initial cure | 24 hrs | |

Application Instructions

- Holes may be wet or dry drilled using either percussive or rotary machines. Percussive methods are preferred as they create a rougher cut, providing a better key for the grouting adhesive.
- Flush wet-drilled holes with clean water to remove residue and water, and blow out the holes with a nylon-bristled blow-gun attachment with oil-free compressed air. Whenever possible, allow the holes to dry. Damp concrete must be at least surface dry and absent of rising moisture. **Dust, dirt, grease, oil and contaminants must be removed from precast or drilled holes.**
- As the annular space between the anchor and the hole becomes smaller, creep resistance will improve from the increased confinement of the epoxy adhesive.
- remove all oxidation and scale from the exposed reinforcing steel.
- Mix components (B+H) together for two minutes manually until the material becomes smooth in consistency.
- Install a measured amount of adhesive into the back or bottom of the hole, and over the immersed part of the steel rebar, then insert it to displace the adhesive toward the front or top of the hole. Secure anchor in the center of the hole, and remove excess material.



Anchoring Epoxy Paste

PolyPoxy A25

HardStep®

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Storage & Packing

Store under cover, out of direct sunlight and protect from extreme temperatures. In tropical climates the product must be stored in air-conditioned environment.

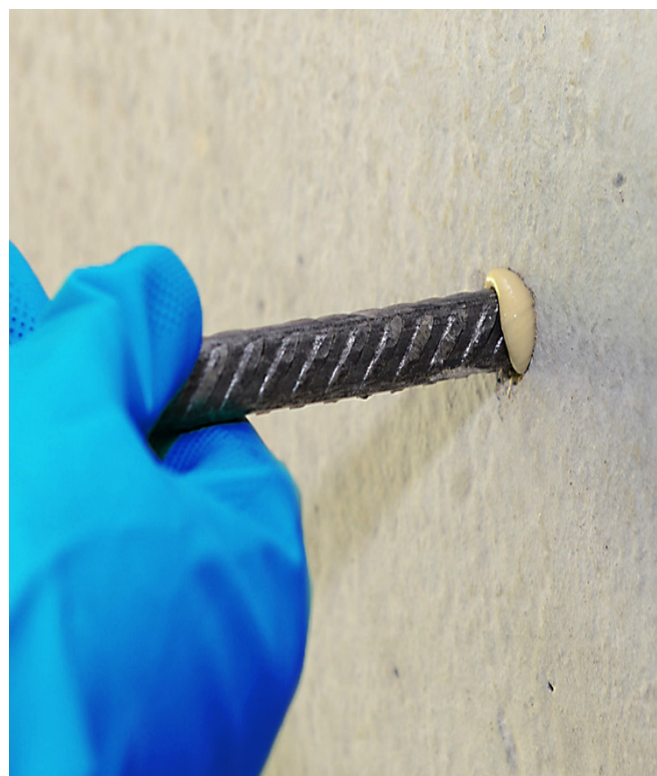
Available in 800 gr. kit (2 component)

Shelf Life

Shelf life is up to 12 months when stored as per recommendations.

Health and safety

As with all construction chemicals products caution should always be exercised. Protective clothing such as gloves and goggles should be worn. Treat any splashes to the skin or eyes with fresh water immediately. Should any of the products be accidentally swallowed, do not induce vomiting, but call for medical assistance immediately.



Legal Notes

The information provided in this data sheet, are given in good faith based on our current knowledge and experience of the product when properly stored, and applied by professional applicator, and under normal conditions in accordance with the mentioned recommendations. In practice under actual site condition differences are such that no warranty can be issued nor any liability can be taken, arising out of any legal relationship whatsoever. The product must be tested onsite to check its suitability for the intended application and purpose

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