

PERMACRETE

A fast setting epoxy putty for rapid repairs to concrete, masonry and many more substrates.



How does Permacrete work?

Each handy stick of Permacrete contains pre-measured portions of activator and base throughout. When kneaded to a uniform colour, Permacrete becomes a mouldable repair product which gives strength and durability to a variety of applications. Once applied, Permacrete will set hard in an hour curing to a concrete-like texture and colour. It can then be drilled, sawed, filed, tapped and overpainted.

Areas of Use

Permacrete is suitable for interior and exterior use and is resistant to water, chemicals and temperature extremes. Permacrete will repair chipped concrete floors, curbing and steps; repair and rebuild decorative concrete trim; repair tiles, statues, garden ornaments and headstones. Will anchor bolts, screws, nails and railings; will seal basement leaks and tie rod holes.

Safety

Permacrete contains no solvents or VOCs. It is non-flammable and releases no noxious fumes. It will not shrink or pull away. n.b. The unused portion of the stick stays fresh for future use when saved in its original package.

How to use

Before applying, roughen and clean the area to be repaired with TEROTECH CONCRETE ETCH. Wear impervious gloves when cleaning with Concrete Etch and mixing or handling uncured Permacrete. Then follow these easy steps.

1. Cut or twist off required amount.
2. Mix by kneading with fingers to a uniform colour. If mixing is difficult, warm Permacrete to room temperature or slightly above.
3. Apply to surface to be repaired within 2 minutes of mixing. Force into any cracks or holes and clean off excess material, preferably with a tool moistened with clean water.

When applying to a damp or wet surface, work the mixed material forcefully into the surface and apply pressure until adhesion begins to take effect.

For best results: Use damp fingers for easier mixing, application, and a smooth appearance of the cured compound. Remove excess material before hardening begins. **Curing:** Permacrete has a work life of approximately 4-7 minutes. Functional cure occurs in 60 minutes.

Technical Information

SHELF STABILITY AT 24°C minimum 24 months
SHORE D HARDNESS AT FULL CURE (24hrs) 80
LAP SHEAR TENSILE STRENGTH On steel (1" x 1" x 1/16") 4.8 MPa On concrete Concrete failure
COMPRESSIVE STRENGTH 55 MPa
DENSITY 1.6 gm/cm³
SHRINKAGE <1%
NON-VOLATILE CONTENT 100%
DIELECTRIC STRENGTH 300 volts/mil
UPPER TEMPERATURE LIMITS Continuous -40° to 120°C
Intermittent -40° to 150°C

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