

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 **TERO-TECH 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

CHEMICAL RESISTANCE

Resistant to hydrocarbons, ketones, alcohols, esters, halocarbons, aqueous salt solutions and dilute acids and bases.

NOT INTENDED FOR STRUCTURAL APPLICATIONS

* Not to be used for specification purposes.

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