

# 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/cm<sup>3</sup>  
**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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