TERO TECH
Better Building Maintenance Products

IMG
INDUSTRIAL MAINTENANCE GROUP

PERMACRETE

A fast setting epoxy putty for rapid repairs to concrete and masonry. Permacrete also bonds to metals, wood, glass and many plastics.

How does PERMACRETE work?

Each handy stick of product contains pre-measured portions of activator and base throughout – no measuring or mixing tools are necessary. Simply tear off a piece from the handy rod and knead the two components together until a uniform colour is obtained. Now shape and apply the mixed **Permacrete** like modelling clay which will set hard in one hour. After one hour, the application can be drilled, sawed, filed, tapped and painted.
Permacrete cures to a concrete-like colour and texture.

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, wet or slowly leaking area, 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.

TERO TECH Riverside Industrial Estate, Fazeley, Tamworth, Staffordshire, B78 3RW.
Head Office, Warehousing and Distribution: Tel: 01827 283322, Fax: 01827 250143. Telesales: 01270 611031