



TECHNICAL DATA SHEET



CONCRETE REPAIR EPOXY PUTTY PART NO: 16402

DESCRIPTION

DynaGrip[®] DYNASTEEL CONCRETE REPAIR EPOXY is a hand-mixable, fast-setting epoxy putty that quickly repairs concrete and masonry. It also bonds to metals, wood, glass, and many plastics. After mixing, it forms a concrete repair polymer that cures to a concrete-like colour and texture. No measuring or mixing tools are needed. Each handy stick contains pre-measured portions of activator and base throughout — just cut, mix, and apply. The consistency (like modeling clay) eliminates drips and runs, facilitates adhesion to the substrate, and allows the material to be shaped and formed as needed before curing begins.

TYPICAL APPLICATIONS

DynaGrip[®] DYNASTEEL CONCRETE REPAIR EPOXY can be used to repair and replace ceramic tiles; patch chipped concrete and mortar; fill and seal holes in floors, bricks, curbs, and concrete blocks; seal tie rod holes; and anchor railings, workbench and equipment legs, bolts, and screws. Use it to repair lawn ornaments and birdbaths, cemetery headstones, and statues; and to seal basement leaks.

FEATURES

- Suitable for interior and exterior use.
- Contains no solvents or VOCs.
- Won't shrink or pull away.
- Non-flammable; releases no noxious fumes.

APPLICATION LIMITATIONS

- Does not adhere to polyethylene, polypropylene, or PTFE.
- Not intended for use in structural applications.



DIRECTIONS

Wear impervious gloves when mixing or handling uncured DYNASTEEL CONCRETE. Use damp fingers for easier mixing, application and a smooth appearance. For best results, sand to roughen surface and wipe away dirt or loose particles. DYNASTEEL CONCRETE does not adhere to painted surfaces. All paint residue must be removed.

1. Cut off amount needed for repair.
2. Knead product to one uniform colour (no flecks) and warm to the touch.
3. Apply firmly within 2 minutes of mixing and shape with finger tool. Force into any cracks or holes and remove any excess material. 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.

DYNASTEEL CONCRETE IS NOT INTENDED FOR STRUCTURAL APPLICATIONS.

CURING: DYNASTEEL CONCRETE has a 4 to 7 minute work life. Functional cure occurs in 60 minutes. After 60 minutes the application can be drilled, sawed, filed, machined, tapped and painted.

PERFORMANCE DATA*

<u>Properties</u>	<u>Results</u>
Work life	4 to 7 minutes
Shelf Stability 24°C (75°F)	2 years
Shore D hardness at full cure (24 hrs)	77
Lap shear tensile strength	
On steel (0.5" x 1.0")	957 psi (6.5 MPa)
Compressive strength	7800 psi (53 MPa)
Shrinkage	<1%
Temperature limits	
Continuous	up to 149°C (up to 300°F)
Chemical resistance	Resistant to hydrocarbons, ketones, esters, alcohols, halocarbons, aqueous salt solutions, and dilute acids and bases
Dielectric strength	237 volts/mil

* Typical properties are for information only, not for purposes of specification. The data above represents product performance in ideal laboratory conditions. Individual users' experience may vary depending on application conditions.

COLOUR

Concrete colour.

PACKAGING

Packaged in a reusable clear plastic tube with a plastic friction top.

SHELF LIFE

Two years minimum from date of shipment when stored in original, unopened container in a dry area at temperatures below 24°C (75°F).

HEALTH PRECAUTIONS

- Contains Epoxy Resin. Epoxies are skin/eye irritants and known sensitizers. Direct product contact may cause an allergic reaction in some individuals. Avoid skin/eye contact. Wear impermeable gloves when mixing or handling uncured product.
- Inhalation of dust may be harmful. Avoid inhalation of dust. Wear dust mask and protective eyewear when sanding cured product.
- Ingestion of product may be harmful. Avoid ingestion.
- Turn off power when doing electrical repairs.
- **KEEP OUT OF THE REACH OF CHILDREN.**

For additional health and safety information, consult MSDS.



GENERAL INFORMATION

The information and data contained herein is believed to be accurate and reliable; however, it is the user's responsibility to determine suitable use. Since the supplier cannot know all the uses, or the conditions of use to which these products may be exposed, no warranties concerning the fitness or suitability for a particular use or purpose are made.

It is the user's responsibility to thoroughly test any proposed use of our products and independently conclude satisfactory performance in the application.

Likewise, if the application, product specifications or manner in which our products are used require government approval or clearance, it is the sole responsibility of the user to obtain sure authorization.

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Suggestions of uses should not be taken as inducements to infringe any patents.



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