

pro proxyTM20

Spec Sheet #S00024
February 2009

Epoxy



DESCRIPTION

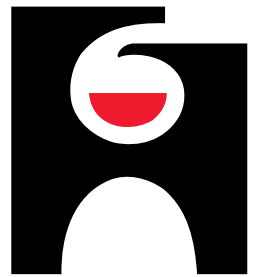
Pro proxy 20 is a fast acting, co-extruded single stick, epoxy putty. Made of a pre-measured, steel reinforced dark gray/black epoxy resin with a contrasting strip of hardener embedded in the center. The two part epoxy compound mixes quickly and easily to form a permanent steel-hard bond in 20 minutes. Adheres to almost any surface with strength often greater than the materials it has joined. After curing, it can be drilled, filed, sanded, painted, and machined. Can be applied to damp or wet surfaces and even makes underwater repairs.

Pro proxy 20 is non-conductive and may be used for electrical insulating repairs and can be used on applications where it is subject to temperatures up to 300°F for extended periods of time. Do not expose to open flame.

SIZES AND PACKING

STOCK NO.	SIZE	PACKING	WEIGHT/CASE
25-515*	4 oz.	24 (2-1 dz.)	8.0 lbs.

*Display box



HERCULES®

specifications

pro proxyTM20

pro poxyTM 20 Epoxy



APPROVALS AND LISTINGS

Pro poxy 20 meets NSF Standard 61 for health effects and is safe for use with potable water.

SPECIFIC USES

Pro poxy 20 can be used to seal, mend, bond, and repair almost anything in plumbing, heating, industrial, maintenance, and home applications except areas of combustion and exhaust where temperatures typically exceed 300° F.

SPECIFIC APPLICATIONS**

Pro poxy 20 will adhere to almost all surfaces: metals, masonry, wood, glass, ceramics and some plastics (see Warnings or Cautions below). **Hercules Plastic PoxyTM** may be more suitable for PVC, CPVC and ABS.

PHYSICAL PROPERTIES

Density	15.8 lb./gal. (1.9gm/cm ³)
Compression Strength	18,000 psi
Tensile Strength	6,000 psi
Modulus of Elasticity	6 x 10 ⁵ psi
Shear Strength	700 psi
Izod Impact	0.3 ft.-lb./in. of notch
Hardness (Shore D)	85
Maximum Use Temperature	300°F (149°C)
Appearance/color/odor:	2 components in co-extruded mastic form: Black exterior and off-white interior with mercaptan odor

Electrical Properties:	
Volume Resistivity	5 X 10 ¹⁵ ohm-cm
Dielectric Strength	400 volts/mil@0.125 in.

WARNINGS OR CAUTIONS

- **Pro poxy 20** is not recommended for use on polyethylene, polypropylene, and polybutylene.
- Use caution when using **Pro poxy 20** on containers or piping carrying hazardous or toxic substances.
- Harmful if swallowed. Eye irritant. Contains epoxy and resins.
- Keep away from children.

DIRECTIONS FOR USE

For best results, surfaces should be cleaned of grease and dirt. Smooth surfaces should be roughened by filing or sanding before application. **Pro poxy 20** will start to cure (harden) after 10 minutes in its mixed state. For best results, try to have repair in place before hardening starts.

1) Remove protective end dots and cut or twist off a section of **Pro poxy 20**.

2) Roll and knead putty between hands, until streaks disappear and color is uniform gray. 3) Apply to clean surface. Forcibly work the product into any cracks or holes to be filled. To have a very smooth surface, gently rub **Pro poxy 20** with a wet finger or damp cloth immediately after application. Shape and remove excess material before product hardens. Putty will be steel hard in 20 minutes at room temperatures. Curing time is faster in warmer conditions and slower at cold temperatures. To extend the life of **Pro poxy 20**, recover ends of stick with protective dots and store in original package with cap tightly affixed. If protective dots are missing or damaged, use aluminum foil or plastic kitchen wrap.

For underwater applications, wrap sealed connection with waterproof tape. Wait 12 hours before removing tape. Do not use in fish tanks as product may be toxic to fish.

Pro poxy 20 may be painted immediately after application. Wait one hour before using water-based paint. If it is necessary to drill, file, tap, sand, or machine **Pro poxy 20**, be sure product has fully hardened for best results.

MATERIAL SAFETY INFORMATION

FOR MORE INFORMATION ON THIS PRODUCT, REQUEST MATERIAL SAFETY DATA SHEET (MSDS) #24.

For Delivery by Fax	Call 1-800-942-4636
Internet	See MSDS section of www.herchem.com
Mail	Contact Hercules at address below or any Hercules representative

HMIS Hazard Warning 1-0-0-B

INGREDIENTS

INGREDIENTS	CAS#
Tri (Dimethylaminomethyl) Phenol	90-72-2
Epoxy Resin (Diglycidyl Ether of Bisphenol A)	25068-38-6

**For special applications which may not be covered on this or other Hercules literature, please contact Hercules Technical Services Department by phone 1-800-221-9330, or fax 1-800-333-3456, or visit our technical database web-site at www.herchem.com.



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