

TALON EPOXY FOR STEEL

FAST CURE EPOXY REPAIR PUTTY

EPS-SPEC

PRODUCT DESCRIPTION

PRODUCT

TALON EPOXY FOR STEEL Epoxy Repair Putty

TYPE

TALON EPOXY FOR STEEL is a steel-reinforced, hand-mixable epoxy putty that quickly repairs or rebuilds anything made of steel.

RECOMMENDED USES

After mixing **TALON EPOXY FOR STEEL** is an industrial-strength polymer compound which can be used to rebuild small machine parts, striped threads and rust damaged metal or repair leaking pipes, ductwork, cracks, voids in metals and other steel components.

After 60 minutes, **TALON EPOXY FOR STEEL** can be drilled, tapped, machined, ground, filed and painted. **TALON EPOXY FOR STEEL** is not intended for structural applications. Wear impermeable gloves on hands before handling or mixing **TALON EPOXY FOR STEEL**. For best results use damp gloved fingers for easier mixing, application and a smoother appearance of cured compound.

COLOR/CONSISTENCY

Gray/black. Dries to a uniform dark gray metallic color. Putty in cylindrical form.

DRYING TIME

TALON EPOXY FOR STEEL has a 3 to 5 minute work life. Functional cure occurs in 60 minutes.

ENVIRONMENTAL STATEMENT

This product contains chemicals known to the State of California to cause cancer, birth defects, or other reproductive harm.

TEMPERATURE RANGE USE AFTER CURING

Liquids/Gases:
-40°F (-40°C) to 250°F (121°C)

PRESSURE RANGE USE

Liquids/Gases:
up to 300 PSI (43.51 kPa)

PERFORMANCE DATA

WORK LIFE: 3 to 5 minutes

SHELF STABILITY AT 75°F (24°C):
24 months minimum

SHORE D HARDNESS AT FULL CURE (24 hours): 80

LAP SHEAR TENSILE STRENGTH:

On steel (1" x 1" x 1/16") 900 lbs (6.2 Mpa)

COMPRESSIVE STRENGTH:

8,000 psi (55 Mpa)

DENSITY: 18.5 lb/gal, 2.2 gm/cm³

SHRINKAGE: <1%

NON-VOLATILE CONTENT: 100%

ELECTRICAL RESISTANCE:

30,000 megohms-cm

DIELECTRIC STRENGTH: 300 volts/mil

TEMPERATURE LIMITS:

Continuous -40° to 250°F (-40° to 121°C)

Intermittent -40° to 300°F (-40° to 149°C)

CHEMICAL RESISTANCE

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

APPLICATION PRECAUTIONS

Contains Epoxy Resin and Tri (dimethyl-aminomethyl) phenol. Epoxies are skin and eye irritants/sensitizers. Direct product contact may cause an allergic reaction in some individuals. Inhalation of dust may be harmful. Ingestion of product may be harmful. Avoid skin/eye contact. Wear impermeable gloves when mixing or handling uncured product. Avoid inhalation of dust. Wear dust mask and protective eyewear when sanding cured product. Avoid ingestion. **KEEP OUT OF REACH OF CHILDREN.**

SEE SAFETY DATA SHEET (SDS) FOR COMPLETE PRECAUTIONS FOR SAFE HANDLING AND USE.

PACKAGING

Shipping case contains two display cartons each containing 12 - 4 oz. (113.4 g) plastic tubes. Each plastic tube contains 7" stick of **TALON EPOXY FOR STEEL**.

U.S. Measure:

<u>Stock Code</u>	<u>Size</u>
Plastic Tube	
EPS4	4 oz. (113.4 g)

SHIPPING WEIGHT PER CASE

<u>Stock Code</u>	<u>Case Weight</u>	<u>#/Case</u>
EPS4	11 lbs. (5.0 kg)	24

DIRECTIONS FOR USE

1. Lightly sand or scuff the surface with sand cloth or other abrasive material.
2. Clean the surface of any foreign material to ensure a good bond.
3. Tear or cut off required amount needed with gloved hands.
4. With gloved hands, knead thoroughly so complete mixing is achieved. Material should be a uniform color. For best results use **TALON EPOXY FOR STEEL** to room temperature or slightly above.
5. Apply to clean surface to be repaired within 2 minutes of mixing, and work into position. For best adhesion, force into any cracks or holes. Extend patch at least 1 inch beyond area of repair.
6. Remove excess material, preferably with a tool moistened with clean water prior to hardening begins.
7. When applying to a damp, wet or slowly leaking area, work the mixed epoxy putty forcefully into the surface and apply pressure until adhesion begins to take effect.
8. Wash hands after using.



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