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4 Minute Steel Epoxy Technical Data Sheet

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PRODUCT DESCRIPTION: Quick Set Steel Epoxy is a fast setting and strong two part epoxy. This industrial strength product is excellent for bonding metal to metal and for repairing and filling defects in metal, wood, and masonry. The epoxy hardens to a rigid mass (like steel); once cured it can be drilled, tapped, sanded, filed, painted, etc.

WORKS BEST ON: Aluminum, steel, brass, bronze, castings, and stampings.

PRODUCT FEATURES:

Tensile Strength: 3,000 psi on steel

Color: Gray

Non-Flammable

Water Resistant

Working Time: 4 Minutes

Can Be Handled in: 1 hour

Full Cure: 24 Hours

Temperature Range: -60 - 300°F

Chemical Solvent Resistance: resists most automotive fluids.

Epoxies are not recommended for long term exposure to chemicals and solvents,

Storage: Store in a cool, dry environment.

SURFACE PREPARATION: Remove all dirt, oil, grease, and etc. Gently roughen the surfaces to be bonded, alcohol wipe, and dry. Apply the epoxy to only to one surface.

REMOVAL METHODS: Test an inconspicuous area of product to be sure chemicals do not harm surface. Before the epoxy is cured, remove excess epoxy immediately with a damp cloth soaked with alcohol or mineral spirits.

After cure:

Metal/Ceramic/Glass: remove mechanically or by sanding.

Fabric: Once cured it is impossible to remove from fabric.

Wood: Sand cured epoxy from wood.

HELPFUL HINTS: Heat is generated while the epoxy mixture cures. Only mix the amount of epoxy and hardener together that can be used within the working time.

Equal portions of the hardener and resin must be thoroughly mixed together in order for this product to cure properly. The most common problem with a two-part epoxy product is not mixing it thoroughly; it will not cure and will remain tacky. It is recommended that these epoxies be mixed on a clean surface (such as a paper cup, in the inside of the blister it is packaged on or etc.); do not mix it directly on the surface to be repaired. Once the product is thoroughly mixed, it can be applied to the repair area(s). *Please note, during the mixing process, be sure to scrape the sides and bottom into the mixture so that you are mixing all of the epoxy resin and hardener together.*

Use painters or masking tape to protect any areas from unwanted epoxy exposure. Remove tape before the epoxy cures.

See MSDS for more complete information, safe handling instructions and first aid.

Part Number(s): 44209



The technical data contained herein are intended as a reference only