

HUDCO Industrial Products, Inc.

Anti-Abrasive

Carbide Repair Compound

HUDCO Formula 2500

HUDCO Formula 2500 is a blend of high-strength epoxy resins and rugged silicon carbide granules developed by HUDCO to renew - quickly and cost effectively - material handling equipment damaged by abrasion. HUDCO Formula 2500 allows you to repair chutes, pumps, pipes and other similar equipment in 15 minutes or less. The application of HUDCO Formula 2500 requires no special skills and provides a superior alternative to hazardous welding and other costly repair methods.

Beneficial Properties of HUDCO Formula 2500

- Cures in 15 minutes or less.
- Requires no special application skills.
- Does not shrink or expand.
- Conforms quickly to odd shapes.
- Superior adhesion.

Typical Applications

HUDCO Formula 2500 provides excellent wear protection in a wide range of applications including chutes, screw conveyors, pneumatic conveying equipment, and other areas where high wear occurs.

Physical Properties

Compressive Strength: ASTM D-695	12,000 PSI
Heat Deflection Temperature	250° F
Initial Cure Time	2-4 Hours @ 75° F
Final Cure Time	24 Hours @ 75° F
Gel Time	5-10 Minutes
Application Temperature	60°-100° F

Packaging

Kit	Resin	Curing Agent	Kit Weight
2 Quarts	2.5 lbs.	2.5 lbs.	5 lbs.



This reference guide is not intended as a substitute for the product label for the products referenced herein. Product labels for the above products contain important precautions, directions for use and product warranty and liability limitations that must be read before using the product. Applicators must be in possession of the product label(s) at the time of application. Always read and follow all label directions and precautions.

Application Instructions

Surface Preparation:

(A) Surfaces must be clean and sound. Remove grease, oil, or other foreign material with acetone or detergent wash. Roughen the surface by sandblasting or sanding with coarse abrasive using a cross-hatch pattern. Etching the surface with an appropriate acid is acceptable if followed by thorough flushing and neutralizing with clean water.

(B) Surface temperature must be completely dry with a minimum surface temperature of 75° F before applying Hudco Formula 2500.

Mixing: Mix 4 parts of HUDCO Formula 2500 Resin to 1 part of HUDCO Formula 2500 Hardener by weight or volume. Kits are supplied in the correct ratio. Ensure that the sides of the mixing container are scraped into the mixture. Mix several minutes, until no streaks are observed and consistent color is achieved.

Application: Apply product to prepared surface and use supplied tools to achieve desired finish.

Curing: At 75° F, product will gel in 5-10 minutes. Initial cure will occur in 2 - 4 hours. Final cure occurs in 24 hours.

Safety Precautions

CAUTION: For Industrial Use Only. Keep Away From Children.

HUDCO Formula 2500 Resin contains epoxy resin which is harmful if swallowed. After prolonged exposure it may irritate skin and cause sensitization and/or dermatitis.

HUDCO Formula 2500 Curing Agent contains organic amine compounds which are harmful if swallowed. After prolonged exposure or repeated skin contact it may cause irritation, sensitization and/or dermatitis.

Emergency and First Aid Procedures

- Eye Contact - Irrigate with clean water for 15 minutes and call a physician.
- Skin Contact - Wash with soap and water.
- Inhalation - Remove to fresh air and provide oxygen if necessary.
- Ingestion - Call a physician at once. Give milk or white of egg beaten with water. Then give a teaspoon of salt in a glass of warm water to induce vomiting.

Protection Procedures

If used in a confined or an enclosed area, use an air supplied mask or respirator with canister for organic vapors and provide mechanical exhaust ventilation. Use protective gloves, safety glasses, and protective clothing. Avoid contact with skin and clothing. Contaminated clothing should be laundered before wearing again. Contaminated shoes should be thoroughly cleaned before wearing again.

Storage

HUDCO Formula 2500 Resin and Curing Agent should be stored in a cool, dry area. Shelf life is a minimum of one year in unopened containers when stored at 70° F – 85° F.

Warranty

Because the storage, handling and application of these materials are beyond our control, we can accept no liability for the results of their use. Our liability is limited only to replacement of any material proven defective in manufacture. We suggest users try small applications to determine the suitability of the product for their intended use.

HUDCO Industrial Products, Inc.

3100 Morgan Road
Bessemer, AL 35022
1-800-247-9908

Fax: 205-425-4011
Email: sales@hudcoinc.com
Website: www.hudcoinc.com



This reference guide is not intended as a substitute for the product label for the products referenced herein. Product labels for the above products contain important precautions, directions for use and product warranty and liability limitations that must be read before using the product. Applicators must be in possession of the product label(s) at the time of application. Always read and follow all label directions and precautions.