

HUDCO Industrial Products, Inc.

Anti-Abrasive

Beaded Wearing Compound – High Temperature

HUDCO Formula 4120 HT

HUDCO 4120 HT is a specially formulated wearing compound that contains high wear resistance beads in a strong, durable epoxy matrix that is reinforced with ballistic grade aramid fiber for added wear resistance. The beads are made of a high wear resistant material. The beads in 4120 provide improved material flow properties while yielding excellent wear resistance to a variety of abrasive materials. 4120 is designed for use in applications where elevated temperatures are present.

Typical Applications

HUDCO 4120 HT 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

| | |
|-----------------------|-----------------------|
| Specific Gravity | 2.15 |
| Mixing Ratio (R:H) | 4:1 by Weight |
| Color | Light Red |
| Application Thickness | ¼" – ½" or as desired |
| Pot Life | 30 Minutes @ 75° F |
| Gel Time | 45 Minutes @ 75° F |
| Initial Cure Time | 3 Hours @ 75° F |
| Final Cure Time | 8 Hours @ 200° F |
| Temperature max | 350° F |

Packaging

| Resin | Curing Agent | Kit Weight |
|---------|--------------|------------|
| 4 lbs. | 1 lb. | 5 lbs. |
| 16 lbs. | 4 lbs. | 20 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) Surface of substrates must be clean and sound. Remove grease, oil, or other foreign material with acetone, wire brushing, or sandblasting. Acid etching the surface is acceptable if followed by thorough flushing with clean water.

(B) Roughen surface by grinding or sandblasting (3-5 mil surface profile) Surface must be completely dry with a minimum surface temperature of 75° F before applying.

Mixing: Mix 4 parts of HUDCO 4120 HT Resin to 1 part of HUDCO 4120 HT Hardener by weight. Kits are supplied in the correct ratio. Ensure that the sides of the mixing container are scraped into the mixture. Mix several minutes, until 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 30 min. Initial cure will occur in 3 Hours. **In order for the product to reach its 350°F potential, it must be post cured for 8 hours at a temperature of 250°F or higher.**

Safety Precautions

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

HUDCO Formula 4120 HT Resin contains epoxy resin which is harmful if swallowed. After prolonged exposure it may irritate skin and cause sensitization and/or dermatitis.

HUDCO Formula 4120 HT 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 4120 HT 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.

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