

CBP TROWELABLE WEAR RESISTANT COATING

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C.B.P. ENGINEERING CORP.

DESIGN * MANUFACTURING * INSTALLATION
ABRASION-RESISTANT CONVEYING AND MATERIALS HANDLING SYSTEMS
A subsidiary of The Greenbank Group, Inc.

CBP
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DELIVERING SOLUTIONS

C.B.P. TROWELABLE WEAR RESISTANT COATING

C.B.P.'s trowelable wear resistant coating (Aluma-Plate®) is a proprietary mixture of sapphire-hard Aluma-Sand® spheres in an epoxy matrix. As a protective coating, this trowelable mixture provides a surface resistant to sliding abrasion and chemical attack.

The formulation of this highly concentrated product permits both horizontal and vertical application with simple hand tools. In addition it can be cast or molded into a wide variety of shapes.

The trowelable mix may be installed as a patching or lining compound to steel substrates as well as prepared concrete.



Available Kits

2 gallon kit

Consists of 2 one gallon pails of epoxy with concentrated ceramic beads and 2 - 8 oz. bottles of hardener. Shipping weight - 41 lbs. (18.6 kg)

1 quart kit

Consists of 1 one quart can of epoxy with concentrated ceramic and 1 - 2 oz. bottle of hardener. Shipping weight - 10 lbs. (4.5 kg)

Features and Benefits

- Superior abrasion resistance
- Good resistance to a wide range of chemicals, including diluted acids, alkalis and solvents
- Highest ceramic bead concentration offered on the market - 70% concentration of ceramic beads (20-40 mesh) suspended in epoxy
- Out performs other coatings
- Easy to mix and use, adheres to almost any cleaned surface
- Ideal for patching and maintenance work



Typical Applications

- | | |
|-----------------|--------------------|
| • Ash Lines | • Dust Collectors |
| • Centrifuges | • Hoppers |
| • Pipe Elbows | • Wash Boxes |
| • Chutes | • Silos |
| • Pump Housings | • Screw Conveyors |
| • Tanks | • Classifiers |
| • Cyclones | • Troughs & Flumes |

Industries

- | | |
|----------------|---------------------------------|
| • Mining | • Refining |
| • Power Plants | • Dredging |
| • Pulp & Paper | • Mineral Handling & Processing |

Wherever abrasion & corrosion are a problem

Delivering Solutions

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Steel Surface Preparation:

Remove dirt, grease and oil with suitable industrial grade cleaner. Remove dust and mill scale by sandblasting to a white metal finish. Follow by vacuum cleaning or oil free dry blasting. Be sure the surface is completely dry (and cool if sandblasted or torch cleaned) before applying the compound. For large areas, overhead or vertical side wall installations, use of welded hangers, anchor studs or tack-welded expanded metal is recommended for support.

Mixing:

Individually mix both the resin container (Part A) and the bottle of hardener (Part B) thoroughly in the unlikely event that any settling has occurred. After mixing, add entire contents of hardener bottle (Part B) to resin container (Part A) and thoroughly mix also. Blend the two thoroughly in the container supplied. The components are pigmented to ensure proper mixing. Mix until a uniform light purple color is achieved. Mix completely and scrape sides and bottom of container – be sure all “stripes” of unmixed materials from the sides and bottom of container are thoroughly blended. DO NOT add water, sand, Portland cement or other fillers to the epoxy matrix. When mixing, use rubber gloves to avoid contact with skin.

Application:

Use as a patching or lining compound. Install at a nominal thickness of 1/8” – 1/4” by troweling or “buttering”. Allow installation to cure, and protect it from water and weather for a minimum of 24 hours at 70°F (21°C). For cold weather application, heat surface to be coated so that it is approximately 70°F.

Coverage:

One U.S. Gallon of the trowelable compound material to cover 252 cubic inches (4130 cm) or 7 sq. ft. at 1/4” thick (0.65 sq. m at 6 mm thickness). One kit will cover 14 sq. ft. at 1/4” thick (1.3 sq. m at 6 mm thickness).

Cure Time:

Maximum pot life at 70°F (21°C) is 30 minutes.

Initial set time is two to three hours.

Final cure is 24 hours (75%) and 10% curing achieved in seven days.

Note: The lower the ambient temperature, the longer the curing time.

Warning:

- Harmful vapor, use in good ventilation – may cause burns or allergic reactions.
- Avoid contact with eyes, skin or clothing. In case of contact, wash thoroughly with warm water and soap.
- In case of contact with eyes – flush eyes with water immediately for at least 15 minutes and get immediate attention.
- Refer to MSDS sheet for trowelable compound (Aluma Plate®) safety details.

Disclaimer:

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