

BCI HD EC

Description:-

BCI Heavy Duty Epoxy Coating is a 100% reactive, solvent-free, two component, high build, polyamine cured epoxy coating. This coating has excellent chemical and abrasion resistance.

Advantages:

- Provides excellent wear under heavy traffic.
- Excellent resistance to a variety of chemicals.
- Hardens to semi-gloss finish.
- Easy to apply with standard equipment.
- Can be applied as a non-slip floor finish.
- Available in a range of colors.
- Free of solvent for low-odor and safe application
- Non-toxic, for internal lining of potable water containment structures.
- Hygienic in service, BCI HD EC will not support bacterial growth.

Basic Uses:

Primarily designed as a heavy-duty concrete floor coating in industrial and commercial plants such as warehouses, service stations, chemical plants, metal treatment plants, internal car parking decks and machinery service areas. Can be used as a rust preventing coating for concrete and steel tanks and other surfaces subjected to chemical attack and/or wherever resistance to corrosion and abrasion is required. As a heavy-duty coating on steel exposed to abrasion

Properties :

The mixing ratio of liquids in this system is approximately 4 parts resin to 1 part hardener by volume.

Specification / Compliance:

BCI HD EC passes the requirements of BS 6920, Part 1 1988 and certified to be suitable for use in contact with potable water.

Surface Preparation:

Surfaces must be structurally sound, dry, clean and Free from oil, dust, curing compounds, grease, and other loose particles. Suitable methods For preparing concrete are by sand blasting, acid etching, water jet, grinding, wire brushing or pneumatic tools. For steel, abrasive blasting is recommended





New Concrete Floors:

New concrete should have cured until the shrinkage and moisture movement is low and possess an open, porous and textured surface with all curing compounds and sealers removed. Laitance should be removed by light sand blasting or grinding where possible. Substrate should not give a hygrometer reading that exceeds 75% R.H. when it is tested for its moisture content in accordance with BS 8203 Appendix A. Acid etching can be utilized to remove light laitance followed by thorough washing with water. Ensure the complete removal of salt produced by acid etching prior to application. Vacuum cleaning is recommended. Allow to dry.

Repairs:

If repairs are necessary, see BC Repair 100 data sheet.

Mixing / Application:

Mixing – All materials should be kept within a temperature range of 16°C – 32°C. Mix parts A and B (resin & hardener) separately for one minute using a drill and mixing prop, for ease of mixing, add the part B to the part A (not reverse) and mix thoroughly for 2-3 minutes. The epoxy must be well mixed to ensure proper chemical reaction. After mixing, place immediately.

Placement:

This product may be applied by squeegee, roller or industrial sprayer. After application, it is suggested the coating be back rolled to reduce surface imperfections and improve bond.

Clean-Up:

Clean tools and equipment with solvent such as BCI Solvent, Xylene, Xylol, toluene or MEK. Do not allow epoxy to harden on equipment.

Shelf Life:

Two years in unopened container.

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