

Powercrete® R-65/F1 Repair Cartridge

Liquid Epoxy Coating with Quick Application and Long Term Corrosion Protection of Bare Steel

Powercrete R-65/F1 repair cartridge is a 100% solids liquid epoxy coating with quick cure time for efficient, user-friendly application. Product can be applied onto bare steel and fusion bond epoxy. This manual application guide gives detailed explanation regarding the use of the repair cartridge. The use of the repair cartridge is recommended for small repairs & patching. For large repair areas, please consult a Corrosion Protection Group representative.

1. Cartridge



1. The Powercrete® R-65/F1 dual component epoxy cartridge is sealed and has a cap on the end of the nozzle. The cartridge contains both Part A and Part B of the Powercrete® R-65/F1 epoxy, in ratio, for the correct mix when used with the supplied static mixer. At the time of use, the cartridge temperature must be above 20°C (68°F).

2. Surface Preparation



2. Clean the damaged/patch area by removing the loose coating, dust and other contaminants.

3. Surface Preparation



3. Also clean & roughen the surrounding main coating of the damaged/patch area to at least 1 inch (25 mm) from all edges of the damaged portion.

4. Surface Preparation



4. Clean the steel surface, so that rust is completely removed. Additionally the surface must be clean of grease, oil, salts and other contaminants. If necessary, wipe/clean the area with Acetone, MEK or other suitable solvent which does not leave a residue. Remove all moisture from the area to be repaired.

5. Dual Cartridge Pack



5. Cartridges contain premeasured Powercrete R-65/F1 with the correct proportions of Part A and Part B.

6. Manually Operated Plunger Push Dual-Cartridge Gun



6. To use the cartridge material, an appropriate type and size of the cartridge gun is required.

7. Application



7. Place the product filled cartridge properly into the cartridge gun as shown in this picture. The cartridge must fit properly.

8. Application



8. Remove the seal-caps from the side of the cartridge and attach one of the static mixers provided with the cartridge. (Note: Each pack of cartridges has two static mixer elements included).

9. Application



9. The cartridge is now ready for use. When gun is operated, the plunger will dispense Part-A and Part-B material in proportionate amount. The epoxy is mixed in the static mixer and comes out as mixed material. (Note: Each use of the cartridge requires a new static mixer.)

10. Application



10. Dispense the desired amount of mixed material onto the clean area and spread it immediately over the patch/damage area, using a spatula or suitable tool.

11. Application



11. Apply the material to a uniform thickness immediately, while the material is wet.

12. Application



12. Allow the repaired/coated area to cure. The repaired/coated area should be protected from any accidental damage until the epoxy has completely cured. Powercrete R-65/F1 is a fast cure epoxy. Check cure time chart for cure values

Storage

For optimum performance, store Powercrete® Epoxy products in a dry, well-ventilated area. Maintain products in original packaging and sealed until just before use. Avoid exposure to direct sunlight, rain, snow, dust or other adverse environmental conditions or contaminants.

NOTE: Avoid prolonged storage at temperatures above 40°C (104°F) or below 5°C (49°F). Do not use static mixer if it is blocked. Also, do not try to clean mixing element by using solvent. If mixer element is blocked, replace with another static mixer element. Contact your Berry Plastics representative for additional requirement of cartridge guns.

Safety Guidelines

Important: Read the MSDS prior to using the products. Product installation should be done in well-ventilated area and in accordance with local health and safety regulations. These application guidelines are intended as a guide for standard products. Consult your Berry Plastics representative for specific projects or unique applications.

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