



Master Protective Coatings Inc.

Product Description

MPC-263 is a two component, fast cure polyurethane crack filler with a fast return to service. It is recommended for use to set anchor bolts, to fill surface cement cracks or to repair damaged control joints.

Benefits of using MPC-263

- Fast cure times in a wide range of temperatures
- Excellent adhesion to a variety of substrates
- Excellent chemical and abrasion resistance
- Easy to mix 1:1 Ratio by volume

Application Areas

- Industrial shop floors
- Maintenance facilities
- Commercial freezer repairs
- Aircraft hangars
- Garage floors
- Non-moving control joint fill

Packaging and Recommended Thickness

MPC- 263 is offered in the following kit sizes:

- 2 gallon kit (3.78L resin (A) and 3.78L hardener (B))
- Bulk packaging also available upon request

Surface Preparation

Remove dust, dirt, grease, oil and all other contaminants with proper cleaner/degreaser. Prepare the surface mechanically as per ICRI-CSP2 profile by diamond grinding to ensure removal of laitance, curing agents and sealers. The compressive strength of a newly poured concrete substrate must be at least 25 MPA (3635 psi) after 28 days cure and at least 1.5 MPA (218 psi) tensile strength.

Mixing Instructions

Mix only the amount that you need at one time and pour the mixture immediately. Unused resin and hardener should be left in original containers. Mix exact amounts of both resin and hardener in separate mixing cups. Do not add more hardener than resin, as this will cause the finished coating to remain sticky.

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Product Application

Pour the mixture into cracks and allow the material to slightly overflow. Grind the surplus material once the product has hardened.

Product Restrictions

- Not recommended for application at temperatures below 5°C / 42°F or above 30°C / 86°F.
- Ambient humidity of the surroundings should not exceed 85% during application and during curing process.
- Substrate temperature must be 3°C (5.5°F) above measured dew point.
- Humidity content of substrate must be < 4% at time of application.
- Do not apply on porous surfaces where a transfer of humidity may occur during the application.
- Applying this product on a substrate without a moisture barrier may risk delamination due to hydrostatic pressure.
- Freshly applied product must be protected against moisture, condensation and water for at least 48 hours.

Health and Safety

Components A and B contain toxic ingredients. Consult the safety data sheet (S.D.S) for further information.

Technical Properties

Mix Ratio:	By volume: 1-part resin (A) to 1-part hardener (B) By weight: 100g of resin (A) to 118g of hardener (B)
Viscosity:	Mixed: 50 - 100 cps
Pot Life (218g):	1 minutes – 2 minutes at room temperature

Physical Properties

Shelf Life:	1 year in unopened containers
Hard dry @ 25° C	5-10 minutes
Foot traffic @ 25° C	10 minutes
Adhesion (to concrete)	550 psi (concrete failure), ASTM D4541
Compressive strength:	5600 psi, ASTM C109
Tensile Strength:	4800 psi, ASTM D412
Elongation	6-8%, ASTM D412

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Disclaimer

The information and recommendations contained in this technical data sheet are based on reliable test results according to MPC. The data mentioned are specific to the material indicated. If used in combination with other materials, the results may be different. It is the responsibility of the user to validate the information therein and to test the product before using it. MPC assumes no legal responsibility for the results obtained in such cases. MPC assumes no legal responsibility for any direct, indirect, consequential, economic or any other damages except to replace the product or to reimbursement the purchase price, as set out in the purchase contract.

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