EVERflow®
Made by MPC

Technical Data Sheet

EF-165CF

Product Description

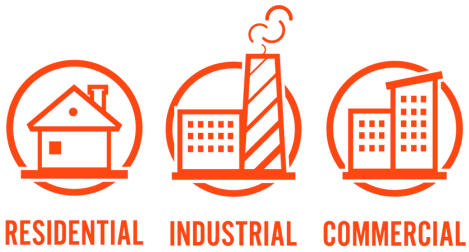
EF-165CF is a super-fast curing two component, moisture vapor barrier crack filler designed to repair horizontal and vertical cracks. It is formulated to be used in conjunction with a moisture vapor barrier-based epoxy coating. It has excellent adhesion to concrete, masonry, wood, metal, and plastics.

Areas of Application

Residential Use – Entrances and hallways; basements; entertainment rooms; bathrooms; kitchens and living rooms; outdoors spaces and pool outlines.

Commercial Use - Shopping malls and boutiques; Hotels; Offices; Showrooms; Restaurants; Hospitals; Schools; Community centers.

Industrial Use - Garages; Warehouses; Airports and hangars; Processing and manufacturing plants.



Environmental Approvals / Certificates

- Meets CFIA and USDA requirements for indirect food contact / use in food plants.
- Conforms with LEEDv4 EQ credit: Low emitting materials SCAQMD Method 304-91 for architectural coatings.
- VOC content <50 g/L

Packaging and Recommended Thickness

EF-165CF is offered in the following kit sizes:
1-gallon kit (2.52L resin (A) and 1.26L hardener (B))

Recommended Film Thickness / Coverage
1/8" x 1/8" cracks = 1100 linear feet per gallon / 11.3 ml/m

Wall floor junction with 1" radius = 38 linear feet per gallon / 327 ml/m

Product Properties

Working time on substrate:	5-10 minutes 21°C / 70°F @50% relative humidity		
Curing Schedule	10°C (50°F)	20°C (68°F)	30°C (86°F)
Recoat (max. 48 hrs)	6-8 hrs.	2-4 hrs.	~2 hrs.
Foot traffic	8-12 hrs.	6-8 hrs.	4-6 hrs.
Vehicular traffic	24-36 hrs.	24 hrs.	18-24 hrs.
Full Chemical Cure	~10 days	~7 days	~5 days

Product Application

Using a marginal trowel, spatula, or other suitable equipment, spread material evenly along the cracks. Clean equipment with appropriate solvent. Once the product has hardened, it may only be removed mechanically.

Curing times are subject to variations determined by the ambient conditions, including air and substrate temperature, as well as relative humidity. It is imperative to shield the coating from moisture, condensation, and direct water exposure during the initial 24-hour curing period. If the recommended recoating time has exceeded 48 hours, it becomes necessary to sand the prior coat using a screed mesh to eliminate any glossy finish. Moreover, thorough cleaning by vacuuming is essential to eradicate any dust particles. The surface should exhibit a consistent matte appearance, entirely devoid of any gloss, following the cleanup process, before proceeding to apply the next coat.

Contact Us

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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 of cure and at least 1.5 MPa (218 psi) tensile strength.

Mixing Instructions

Empty container B (hardener) into container A (resin). Mechanically mix the combined product for a maximum of 1 minute using a low-speed drill (300-450rpm) to reduce air entrapment and to obtain a homogeneous mixture. Once the product is mixed proceed to application instructions. **Do not let the product sit in container as it will rapidly start to react and cure.**

MIX A&B

LOW SPEED
1MIN MAX

Technical Properties

Viscosity ASTM D445-06	Part A Resin Paste Part B Hardener Paste
Solids by weight	100 %
Abrasion Resistance, ASTM D4060	Taber abraser CS-17 calibrase wheel 1000 cycles/1000 g = 0.11-gram loss
Flexural Strength, ASTM D790	15,000 psi
Compressive Strength, ASTM D695	8,200 psi
Tensile strength, ASTM D638	6,000 psi
Pull-Off Strength, ASTM D7234	> 363 psi (substrate failure)
Hardness, Shore D ASTM D2240	80-85
Permeability to Water Vapor, ASTM E96	0.06 g/m² 24hr mmHg
Shelf life	1 year when stored in original, unopened packaging. Store dry at temperatures between 15°C to 30°C (59 °F to 86 °F).

Product Restrictions

- Not recommended for application at temperatures below 5°C / 41°F or above 30°C / 86°F. An application below/above these temperatures will result in decreased product workability and cure times.
- The substrate temperature must be at least 3°C (5.5°F) above measured dew point.
- **This coating is not a replacement for a waterproofing membrane.**
- **This coating does not protect against areas of high hydrostatic pressure.**
- Surface discoloration of products will occur upon prolonged exposure to UV rays.
- Exposure during the curing stage of the coating to the by-products of propane combustion may cause discoloration (amine blushing).

Disclaimer and Warranty

Everflow® warrants that our products are free from manufacture defects in accordance with our quality control procedures. Any products proven defective are limited to the replacement of defective products or refund of the purchase price as determined by Everflow®. Please contact your local Everflow® sales representative for more information and warranty requirements.

The information and recommendations contained in this technical data sheet are based on reliable test results according to Everflow®. 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. Everflow® assumes no legal responsibility for the results obtained in such cases. Everflow® assumes no legal responsibility for any direct, indirect, consequential, economic or any other damages except to replace the product or to reimburse the purchase price, as set out in the purchase contract.

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