EVERflow
Made by MPC

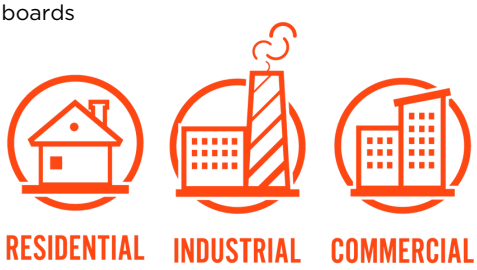
Technical Data Sheet
EF-191

Product Description

EF-191 is a 100% solids, two component epoxy countertop coating system. It is ideal for coating kitchen or bathroom countertops as well as butcher-blocks and bar-tops. It has a low mixed viscosity that helps avoid excess air entrapment and allows for excellent flow and bubble release. It can be applied at a maximum thickness of ¼". This product contains less than 50 g/L VOC and when mixed/cured properly meets the requirements for direct food contact by the Canadian Food Inspection Agency.

Areas of Application

- Coating kitchen or bathroom countertops
- Coating butcher-blocks, bar-tops, tabletops, river tables, and /or charcuterie boards



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-191 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

Available in clear.
Color pigment packs are offered in 16 oz jars (1 jar / 2-gallon kit)

Recommended Film Thickness / Coverage
1/4" thickness (250 mils.) / 12 sq. ft. / per 2-gallon kit
1/8" thickness (125 mils.) / 26 sq. ft. / per 2-gallon kit
1/16" thickness (62.5 mils.) / 50 sq. ft / per 2-gallon kit

Product Properties

Working time on substrate:	30-40 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)	24-48 hrs.	18-24 hrs.	16-18 hrs.
Full Chemical Cure	~10 days	~7 days	~5 days

Product Application

Apply using a fine quality 10 mm roller to obtain a uniform coating. Use of a torch is recommended to pop any residual bubbles. 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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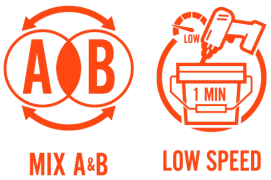
Surface Preparation

Remove dust, dirt, grease, oil, and all other contaminants with proper cleaner/degreaser. Be careful with condensation (at least 3 degrees above the dew point). All cracks, holes and irregularities must be repaired with a crack filler prior to applying the coating. A seal coat is recommended on very porous material to help prevent air bubble release during the curing process.

Mixing Instructions

Empty container B (hardener) and container A (resin) into a large mixing pail. Mechanically mix the combined product for 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 the container as it will rapidly start to react and cure.**



MIX A&B LOW SPEED

Technical Properties

Viscosity ASTM D445-06	Part A Resin 11,500-12,500 cps. Part B Hardener 550-650 cps.
Solids by weight	100 %
Abrasion Resistance, ASTM D4060	Taber abraser CS-17 calibrase wheel 1000 cycles/1000 g = 0.1-gram loss
Compressive Strength, ASTM D695	6,200 psi
Tensile strength, ASTM D638	8,500 psi
Pull-Off Strength, ASTM D7234	> 363 psi (substrate failure)
Hardness, Shore D ASTM D2240	75-80
VOC, ASTM D2369	< 50 g/L
Gloss, ASTM D523	92.8 GU @ 60°
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 10°C / 50°F or above 30°C / 86°F. An application below/above these temperatures will result in decreased product workability and cure times.
- Ambient humidity of the surroundings should not exceed 85% during application and during curing process.
- The substrate temperature must be at least 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.
- Freshly applied product must be protected against moisture, condensation, and water for at least 48 hours.
- Surface discoloration of product will occur upon prolonged exposure to UV rays.
- When properly mixed and cured, this epoxy system is safe for direct food contact. However, because the customer is responsible for mixing/pouring, each application would have to be assessed individually to say if it is 100% food safe.

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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