



CROSSFIELD PRODUCTS CORP.

TECHNICAL DATA

CPC FLEX EPOXY

PRODUCT DESCRIPTION

CPC FLEX EPOXY is a low-VOC, two-component, 100% solids, flexible epoxy resin that is applied as a high build membrane coating.

CPC FLEX EPOXY has low odor during application. It meets the FDA/USDA Food Code requirements for food & beverage manufacturing, and has CDPH-1350 approval for indoor low-out gassing requirements.

CPC FLEX EPOXY may be used as a flexible, crack-bridging membrane under other CPC flooring systems to create a waterproof/leak-proof system for mechanical rooms, elevated kitchens, and other applications.

CPC FLEX EPOXY may be applied with a variety of aggregates to create any range of slip resistance and compliance.

PRODUCT FEATURES

- Very Low Odor During Application
- Excellent Flexibility
- Crack Bridging
- Resistant to Common Chemicals¹
- Stain Resistant
- Anti-Microbial Additive Available
- Variety of Slip Resistant Textures Possible

WHERE TO USE

- Mechanical Rooms
- Manufacturing
- Clean Rooms
- Food & Beverage Processing
- Laboratories
- Hospitals
- Pharmaceutical
- Animal Care Facilities
- Sports Facilities, Locker Rooms

COLOR

CPC FLEX EPOXY is available standard in 402 Dark Gray or tinted to order in any standard gray with 60 gallon minimum order.

¹ Refer to CPC Chemical Resistance Chart

PHYSICAL PROPERTIES

VOC	40 g/l
Solids Content	100%
Tensile Elongation ASTM D412	96%
Tear Strength ASTM D638	120 lb/in
Tensile Strength ASTM C307	1,500 psi
Hardness, ASTM D2244 Shore D	55

PACKAGING CLEAR or PIGMENTED

4 Gal Kit 5015-4GK

A Component 5015-3GPA 3 Gallons

B Component 5015-1GB 1 Gallon

CONCRETE MOISTURE

CPC FLEX EPOXY is recommended to be applied over primer base coat. Do not apply direct to concrete. Test for concrete moisture in accordance with ASTM F2170-19. If moisture is indicated to be in excess of 85%, apply **CPC MVP Moisture Vapor Primer** as the base coat. Refer to the CPC technical data sheet for complete surface preparation and application data.

Alternately, test for excessive concrete moisture in accordance with ASTM F2659. Moisture content of concrete substrate must be ≤4 % by mass as measured with a Tramex® CME/CMExpert type concrete moisture meter on prepared surface. Stand-alone applications are achieved by applying **CPC MVP Moisture Vapor Primer** as the base coat.

Calcium chloride testing is not recommended for qualitative testing of the substrate.



APPLICATION GUIDELINES

STAND ALONE COATING SYSTEM	Installation Method	Product and Mix Ratio	Coverage Rate Approx
Step 1	Surface Profile minimum CSP-3 (See: Preparation)		
Step 2	Apply CPC MVP Moisture Vapor Primer (as applicable due to substrate moisture)		
	Squeegee/Back roll @ 16 mils MVP >85 (ASTM F2170) or >4% (ASTM F2659) See Concrete Moisture.	CPC MVP Ratio 2A : 1B Recoat within 8 - 24 hours Use full units only, do not split.	100 sq. ft. per gallon
-Or-	Apply CPC CLEAR EPOXY as Primer		
	Squeegee/Back roll	2A : 1B Recoat within 8 - 12 hours	200 - 260 sq. ft. per gallon 6 - 8 mils dft
Step 3	CPC FLEX EPOXY		
	Squeegee & Back roll	Mix Ratio 3A : 1B Recoat within 8 - 24 hours	53 sq. ft./gallon @ 30 mils dft
Broadcast	Broadcast of Slip Resistant Aggregate		
	Clean, Washed, Graded Silica or Quartz		
Step 4	CPC FLEX EPOXY(Optional) 2nd Coat		
	Squeegee & Back roll	Mix Ratio 3A : 1B Recoat within 8 - 24 hours	53 sq. ft./gallon @ 30 mils dft
Step 5	Optional Finish Coat, CPC EPOXY, CPC POLYASPARTIC		
	Squeegee & Back roll	See PDS	

APPLICATION GUIDELINES

WATERPROOFING COATING SYSTEM	Installation Method	Product and Mix Ratio	Coverage Rate Approx
Step 1	Surface Profile minimum CSP-3 (See: Preparation)		
Step 2	Apply CPC EPOXY as Primer		
	Squeegee/Back roll	2A : 1B Recoat within 8 - 24 hours	200 - 260 sq. ft. per gallon
Step 3	CPC FLEX EPOXY		
	Squeegee/Back roll	3A : 1B Recoat within 8 - 24 hours	50 sq. ft./ gallon @ 30 mils
Step 4	CPC FLEX EPOXY 2nd Coat		
	Squeegee & Back roll	Mix Ratio 3A : 1B Recoat within 8 - 24 hours	50 sq. ft./gallon @ 30 mils
Step 5	Optional Finish Coat, CPC Epoxy, CPC Polyaspartic		



SURFACE PREPARATION

CPC FLEX EPOXY is intended as a clear coating or binder for aggregate. Apply to new coats within the recommended recoat window. If recoat window is exceeded, prepare the surface by abrasive sanding or grinding as necessary. Stand-alone applications are achieved by applying **CPC MVP Moisture Vapor Primer** as the base coat. Refer to the CPC technical data sheet for complete surface preparation and application data.

Existing, well-adhered, compatible coatings may be prepared by sanding or grinding to produce a uniformly open, gloss-free surface. Ensure the complete removal of any residual oil, grease, wax or other foreign substance. Solvent wipe if necessary. Thoroughly vacuum prepared surface to remove all dust just prior to application. Protect prepared surface against contamination prior to application of product.

MIXING

Mix ratio is 3A : 1B by volume.

Premix each component thoroughly before use. Ensure that pigment is completely dispersed in the A component. Measure out exact amount of B component and pour into measured amount of A component under slow. Mix with low-speed drill and mixing attachment. Mix for at least 3 minutes until completely blended. Avoid high speed mixing and entraining air bubbles into mixture.

Immediately distribute the mixed material onto the floor to avoid buildup of exothermic heat.

APPLICATION

Spread mixed material on the floor in a ribbon. Distribute with a non-marking rubber squeegee. Either a flat blade or notched to appropriate size notches for desired wet film thickness.

Back roll with a quality, non-shedding, solvent-resistant core roller cover with a 1/4- or 3/8-inch nap. The use of 9-inch rollers for smaller areas and 18-inch rollers for larger open areas is recommended to reduce roller lines and marks. Replace roller covers frequently for best results.

APPLICATION, cont.

Finish all rolling within the open time of the product. Avoid reworking areas that have been finished.

Finish roll in one direction, across the entire area, to reduce final roller lines.

MAINTENANCE

Refer to CPC Cleaning & Maintenance Guide.

STORAGE & SHELF LIFE

12 months from date of manufacture, in original, unopened, factory containers. Store between 50°F - 85°F (10°C - 30°C). Protect from direct sunlight, extreme heat or cold, excessive moisture, and fire hazards.

DISCLAIMER

Results may vary based depending upon mixing methods and equipment, surface texture, concrete substrate, ambient temperature and humidity conditions, application methods & tools. CPC Crossfield Products Corp. assumes no responsibility or liability for any errors or omissions in the content of this document. The information contained is subject to change without notice.

LIMITATIONS

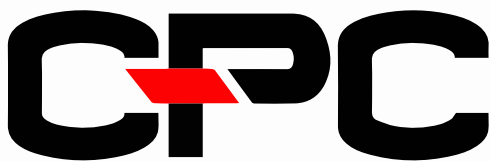
- Temperature range, ambient, material, & substrate limitation: 55°F to 85°F (12.5°C - 30°C)
- Relative Humidity range: 20 - 85%
- Do not exceed recommended application thickness, foaming and uneven curing may occur
- Box same lot numbers for best color uniformity, use CPC factory supplied pigments only for compatibility. Use of non-CPC pigments may result in unsatisfactory results and will void warranty.
- Avoid air movement across surface of wet material during application, blisters may occur
- Protect from moisture and condensation for 24 hours after application, staining, hazing may occur
- Do not apply to substrates exhibiting or tested positive for alkali silica reaction (ASR) or near surface alkali reaction (NSAR)
- For professional use by experienced applicators only



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WARRANTY STATEMENT

All sales are subject to the Crossfield Terms and Conditions effective on the date the purchase order is received. The Terms and Conditions are incorporated herein in full by this reference. The Terms and Conditions are set forth at www.crossfieldproducts.com and will also be sent by mail or fax to the purchaser upon request. By placing an order, the Buyer acknowledges that it has read and agrees to the provisions of the Terms and Conditions. Crossfield Products Corp. assumes no responsibility or liability for any errors or omissions in the content of this document. The information contained is subject to change without notice.



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