

# K A U F M A N

PRODUCT  
INFORMATION

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## Krystal 25 Emulsion EF

### Description

Krystal 25 Emulsion EF is a state of the art, water emulsion of 100% pure methyl methacrylate acrylic polymers. This high quality polymer produces a VOC compliant compound for curing freshly placed concrete. This product provides a quality cure and seal while assuring total resistance to yellowing from ultraviolet exposure. It is particularly suited for concrete where VOC requirements or safety concerns make solvent based systems inappropriate

In addition, this product is unique in that it has built in freeze/thaw protection. While it will solidify if frozen, after thawing and gentle stirring, it will be as good as new.

### Uses

Krystal 25 Emulsion EF will cure, harden, dustproof and seal concrete surfaces. This glossy, non-yellowing, premium quality curing compound/sealer is recommended over all types of concrete floor surfaces, both inside or out, above, on, or below grade. It provides an alternative to solvent-based materials where solvent fumes may be objectionable.

Once it is dry, it is resistant to water, dilute acids and alkali, oils, and fats, as well as air borne contaminants. It completely complies with all VOC regulations nationwide.

### Physical Characteristics 75°F & 50% R.H.

Color	Wet: White Dry: Clear
NVM	25%
Viscosity	40-90 cps
Specific Gravity	1.01
Dry Time	1-2 hours
Recoat Time	2-24 hours
Foot Traffic	2-4 hours
Wheel Traffic	6-10 hours
VOC Content	< 10 g/L
Moisture Loss (ASTM C-156)	<0.40 kg/m <sup>2</sup>
Specular Gloss (ASTM D-523)	80%
Flash Point	>500°F
Odor	Mild latex paint
Shelf Life	1 year in unopened container

### Chemical Resistance

12-hour immersion

Sulfuric Acid, 28%	P
Sulfuric Acid, 10%	E
Acetic Acid, 28%	P
Acetic Acid, 10%	E
Hydrochloric Acid, 28%	P
Hydrochloric Acid, 10%	E
Nitric Acid, 28%	P
Nitric Acid, 10%	E
Sodium Hydroxide, 50%	E
Potassium Hydroxide, 50%	E
Calcium Chloride	E
Gasoline	P
Xylene	P
Mineral or Motor Oils	E
Vegetable Oils	E

### Compliances

ASTM C-309, Type I, Classes A & B  
ASTM C-1315, Type I, Class A

### Packaging

275 gallon tote  
55 gallon drum  
5 gallon pail  
1 gallon jug

### Coverage Rate

CURING	200-350 ft <sup>2</sup> /gallon
SEALING	
Smooth Concrete	300-400 ft <sup>2</sup> /gallon
Exposed Aggregate	250-400 ft <sup>2</sup> /gallon

### Application

Surface should be clean, free of grease, oil, standing water and other foreign matter as per ASTM D-4258. Apply evenly with clean sprayer with nozzles specifically designed for high solids curing compounds, such as Chapin nozzle # 1-5937 or equal. Apply as soon as the surface is sufficiently hard, so that it will not be marred. Do not puddle. Short-napped rollers may also be used.

For professional use only. Not for sale or use by the public.

**LIMITED WARRANTY:** We warrant our products to be of good quality and will replace material proved defective. Satisfactory results depend not only upon quality products, but also upon many factors beyond our control. Therefore, except for such replacement, there are no warranties which extend beyond the description on the face hereof, and Kaufman Products, Inc. makes no warranty or guarantee, expressed or implied, including warranties of fitness or merchantability, respecting its products, and Kaufman Products, Inc. shall have no other liability with respect hereto. The user shall determine the suitability of the product or the intended use and assume all risks and liability in connection thereto. Our salespeople, distributors, and their salespeople have no authority to change the printed recommendations concerning the use of our products.

If using as a curing compound, apply as soon as finishing operations are completed and the surface will not be marred by the application. If applying to pre-existing concrete, make certain to clean thoroughly of all contaminants including pollen, dust, grease, oil, etc. Do not apply over puddles. Subsequent coats should be applied on top of *dry* Krystal 25 Emulsion EF.

Clean equipment with clean water before the product dries. After drying, strong solvents, such as Xylene, MEK, or Toluene will soft and help to remove the film.

The use of SureGrip, added directly to Krystal 25 Emulsion EF prior to application, will provide a slip-resistant surface.

### **Precautions**

Both Krystal 25 Emulsion EF and the substrate must be at least 45°F before application. Not designed for immersion in strong chemicals or prolonged exposure to gas. Allow to cure thoroughly before subjecting to full use.

If applied too thick, the film will not dry properly and will leave a white film. Do not subject the coating to rain or water until it dries hard.

All clear sealers produce an uneven gloss on existing concrete due to uneven porosity of the surface. Never apply over puddles. Although compatible with many carpet, tile and floor covering adhesives, a test section is recommended for questionable adhesives. This material is freeze/thaw stable, however if exposed to freezing, stir well before use. Read Safety Data Sheet before using.

For more complete instructions, please refer to "*Recommended Field Procedures for Curing & Sealing Compounds.*"

### **Technical Information**

The following results were achieved under laboratory conditions. Statistical variations will occur based upon mixing methods, temperature & humidity, test methodology, site conditions, curing conditions, application methods, and equipment.