

# KAUFMAN

PRODUCT  
INFORMATION

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## Krystal 15 Emulsion

### Description

Krystal 15 Emulsion is a state of the art, water emulsion of styrene acrylate copolymers. This high quality polymer produces a VOC compliant compound for curing freshly placed concrete. This product provides a 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

This product provides a totally clear membrane for new concrete or old. It will make clean up at the end of the job, much easier. It provides an alternative to solvent-based materials where fumes may be objectionable. It, also, helps minimize spalling of exterior concrete. Krystal 15 Emulsion complies with both EPA & AIM Regulations from LADCO & OTC.

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

|                                |                                 |
|--------------------------------|---------------------------------|
| Color                          | Wet: White<br>Dry: Clear        |
| NVM                            | 15%                             |
| 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                    | < 350 g/L                       |
| Moisture Loss<br>(ASTM C-156)  | <0.45 kg/m <sup>2</sup>         |
| Flash Point                    | >500°F                          |
| Odor                           | Slight solvent                  |
| Shelf Life                     | 1 year in unopened<br>container |
| Specular Gloss<br>(ASTM D-523) | 75%                             |

### Compliances

ASTM C-309, Type I or ID, Class A & B  
Meets the Class A requirements for UV stability as per ASTM C-1315, Section 6.4.1

### Packaging

|               |                |
|---------------|----------------|
| 208.16 Liters | (55 gal. drum) |
| 18.93 Liters  | (5 gal. pail)  |

### Coverage Rate

|                                |                              |
|--------------------------------|------------------------------|
| Curing/Sealing<br>New Concrete | 200-300 ft <sup>2</sup> /gl. |
|--------------------------------|------------------------------|

|                                      |                              |
|--------------------------------------|------------------------------|
| Sealing/Dustproofing<br>Old Concrete | 300-400 ft <sup>2</sup> /gl. |
|--------------------------------------|------------------------------|

### 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 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.

If using as a curing compound, apply as soon as finishing operations are completed and the surface will not be marred by the application. Do not apply over puddles. Subsequent coats should be applied on top of *dry* Krystal 15 Emulsion.

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

The use of SureGrip, added directly to Krystal 30 OTC prior to application, will provide a slip-resistant surface.

## Precautions

Both Krystal 15 Emulsion and the substrate must be at least 42°F before application. Not designed for immersion in strong chemicals or prolonged exposure to gas.

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 carpets, 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.

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