

K A U F M A N

PRODUCT
INFORMATION

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Krystal 30 Emulsion

Description

Krystal 30 Emulsion is a state of the art, water-based emulsion of styrene/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. Krystal 30 Emulsion is a UV resistant version of our long famous SureCure 30 Emulsion.

Uses

Krystal 30 Emulsion 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, inside or out, above, on, or below grade. It provides an alternative to solvent-based materials where solvent fumes may be objectionable. In addition, Krystal 30 Emulsion may be used on slate, flagstone, brick pavers, stamped concrete, artificial stone, and exposed aggregate

Once it is dry, it is resistant to water, dilute acids and alkali, oils, and fats, as well as air borne contaminants. Krystal 30 Emulsion complies with both EPA & AIM Regulations from LADCO & OTC.

Compliances

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

Packaging

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

Coverage Rate

CURING 300-350 ft²/gl.
SEALING
Smooth Concrete 300-400 ft²/gl.
Exposed Aggregate 250-400 ft²/gl.

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

Color	Wet: White Dry: Clear
NVM	30%
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 (ASTM C-156)	<.0.30 kg/m ²
Specular Gloss (ASTM D-523)	89%
Flash Point	NA
Odor	Mild latex paint
Shelf Life	1 year in unopened container

Chemical Resistance

12-hour immersion

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

Not Recommended NR
Recommended R

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.

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 30 Emulsion.

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

Precautions

Both Krystal 30 Emulsion and the substrate must be at least 42°F before application. Not designed for immersion in strong chemicals or prolonged exposure to gas. All coatings may be slippery when wet. If intended to be used on smooth surfaces, in wet areas, use our slip-resistant additive called SureGrip. 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. This is especially evident when used on surfaces such as brick, pavers, and natural and artificial stone. Never apply over puddles. Although compatible with most 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.

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