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PRODUCT
INFORMATION

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Krystal ReFresh OTC

Description

Krystal ReFresh OTC is a high quality, low VOC, non-yellowing, all acrylic curing and sealing compound and re-sealing compound. Ideal for use as a curing compound for new concrete, and as a re-sealer for aged concrete, the unique chemistry is designed to be as much as 30% more breathable than other brands. This advantage makes it easier for ground water to rise through the slab, and evaporate off without causing the typical white haze associated with less breathable sealers.

Krystal ReFresh OTC will create a non-yellowing glossy or "wet look" to highlight the color and texture of decorative concrete, while simultaneously providing increased resistance from deicing salts, contaminants, and deicing chemicals. In fact, the gloss rating is 90%.

Furthermore, Krystal ReFresh OTC does not include Acetone, which is by far the most dangerous of all of the legal solvents. Through the proper blending of solvents, Krystal ReFresh OTC is slower drying and safer, making it easier to achieve proper placement without the material becoming stringy or forming cobwebs on the concrete surface due to rapid evaporation.

Krystal ReFresh OTC also contains proprietary de-foaming ingredients to help prevent the formation of surface imperfections, such as bubbles, in the film.

Uses

Krystal ReFresh OTC is recommended for exterior applications, on both above and below grade projects, for re-sealing aged concrete, such as stamped concrete, exposed aggregate, slate, stone, brick and concrete pavers to enhance the color for a richer appearance. Krystal ReFresh OTC is also designed for use when curing and sealing newly placed concrete.

Compliances

Complies with National VOC Emission Standards for Architectural Coatings, Federal EPA Regulation 40 CFR, Part 59 and lower VOC regulations of less than 350 grams/liter

Complies with all AIM VOC regulations from the Ozone Transport Commission (OTC) and the Lake Michigan Air Directors Consortium (LADCO)
ASTM C-309, Type I, Class B

Physical Characteristics @ 75° F, 50% RH

Color	Water Clear
NVM	15-17%
Viscosity	40-90 cps
Specific Gravity	1.05
Dry Time	30-45 minutes
Recoat Time	2-24 hours
Foot Traffic	8-12 hours
Heavy Traffic	12-14 hours
VOC Content	< 350 g/L
Moisture Loss (ASTM C-156)	.55 kg/m ² @ 72 hours
Specular Gloss (ASTM D-523)	90%
Flash Point	40° F FLAMMABLE
Shelf Life	1 year in unopened container

Packaging

55 gallon drums (208 liters)
5 gallon pails (18.9 liters)
1 gallon cans (3.78 liters)

Directions

Aged Concrete - Remove all foreign matter. Apply as described above, however the coverage rate may vary from 300-500 ft² per gallon depending on texture and porosity of surface. When used on old concrete, due to the uneven porosity of concrete, a blotchy appearance may develop.

New Concrete - Apply once all bleed water has evaporated. Apply at a coverage rate of 300-400 ft²/gallon

This product may be roller-applied, although a more even application is accomplished by spraying on the product, and then immediately back rolling over the applied area to re-distribute any heavy or puddles spots. Back rolling must be done immediately behind the spray application. Do not attempt to overwork the roller as this can cause bubbling, stringing and roller nap pull-out. The used rollers must be disposed of properly due to the flammability of the product.

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

Krystal ReFresh OTC dries quickly. While spraying, keep the tip within 6" of the concrete surface. Using this product in hot weather, direct sunlight or on windy days can cause bubbling. The best time to apply this product is on a cool, overcast day when the temperature is 50-80°F, and not expected to rise above 85°F during application and drying time. The applicator should not wave the sprayer nozzle around at waist level. This can lead to flash drying of the product before it even hits the ground.

Special Precautions

Prior to use, STOP. Take the time to read and understand the label, product data sheet, and current Safety Data Sheet for Krystal ReFresh OTC. Do not thin. Bring the temperature of the product up to at least 60°F by leaving it in a warm environment. Never apply direct heat to the product. Heavy applications can lead to improper drying, bubbling and discoloration. Do not apply to surfaces meant to receive a cementitious topping. Not for interior use. Due to the extremely low flash point, Krystal ReFresh OTC should NOT be used inside any structures. This product is highly flammable, and vapors may ignite explosively, causing flash fires, severe burns, and death. Use with adequate ventilation and keep away from open sparks, flames, pilot lights, stoves, water heaters, electric motors, and any other sources of ignition during use and until all vapors are gone. Vapors are heavier than air, and may travel long distances to areas away from work site before igniting and exploding. Prevent the buildup of vapors; use ONLY with substantial cross ventilation. Do not breathe vapors or spray mist, and ensure fresh air during application and drying. If eye watering, headache, dizziness, or air monitoring demonstrates vapor/mist levels are above the applicable

limits, wear an appropriate and properly fitted respirator (NIOSH approved) during and after application. Follow respirator manufacturer's directions for proper respirator use. If a spill occurs, contain the spill and use an inert absorbent. Make certain to properly dispose of the absorbent. **Do not smoke while applying this product or anywhere near the related vapors.** Block all HVAC ducts, doors, or windows, which may distribute solvent odor. If the solvent odor or safety concerns are objectionable, use one of our emulsion (water based) products such as Krystal 15 Emulsion, Krystal 25 Emulsion, Krystal 30 Emulsion. The complete Safety Data Sheet MUST BE READ before using, and is available on line at www.kaufmanproducts.net or through our office at 800-637-6372.

When Krystal 15 OTC is applied to porous surfaces (and particularly unevenly porous surfaces), such as flagstone, slate, terrazzo, or old concrete, the product will penetrate unevenly. The uneven penetration of the product may lead to an uneven or blotchy finish. AIM rules do not allow thinning of this product. For more complete instructions, please refer to "*Recommended Field Procedures for Curing & Sealing Compounds.*"

THIS IS AN INDUSTRIAL PRODUCT AND IS NOT OFFERED FOR RESIDENTIAL OR CONSUMER USE. KEEP OUT OF REACH OF CHILDREN.

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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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, 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. 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.