

K A U F M A N

PRODUCT
INFORMATION

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Krystal 25 OTC

Description

Krystal 25 OTC is our high quality, wet-look, non-yellowing curing & sealing compound. This high-gloss and acrylic based sealer offers better sealing of the concrete surface from stains and provides a more dustproofed slab. It assures excellent resistance to yellowing from ultraviolet exposure and is classified as non-yellowing according to the new ASTM C-1315 specification. Krystal 25 OTC is specifically formulated to comply with AIM VOC regulations in the OTC and LADCO regions for concrete Curing & Sealing compounds. **Krystal 25 OTC does not include Acetone, which is by far the most dangerous of all the legal solvents.**

Uses

This tough copolymer concrete treatment is designed exclusively for exterior applications on both above and below grade projects where a wet-look or high-gloss look is desired. Easily applied, Krystal 25 OTC provides premium performance and long lasting shine to the floors. Krystal 25 OTC is recommended for curing, hardening, dustproofing, and sealing of both new and old concrete surfaces, and as a curing & sealing compound for stamped concrete, exposed aggregate, slate, stone, brick, and concrete pavers to enhance the color for a richer appearance. Krystal 25 OTC is also an excellent product for use on concrete driveways, sidewalks, and patios. It provides protection against the damaging effects of traffic, weather and de-icing salts while still allowing the concrete to breathe.

Compliances

ASTM C-1315, Type 1, Class A
ASTM C-309, Type I, Classes A & B

Physical Characteristics @ 75° F, 50% RH

Color	Water Clear
NVM	25%
Viscosity	40-90 cps
Specific Gravity	1.01
Dry Time	<30 minutes
Recoat Time	2-24 hours
Foot Traffic	1 hour
Wheel Traffic	10-12 hours
VOC Content	< 350 g/L
Moisture Loss (ASTM C-156)	<0.30 kg/m ²
Specular Gloss (ASTM D-523)	100%
Flash Point	40° F FLAMMABLE
Shelf Life	2 year in unopened container

Packaging

1 gallon cans (4/case)
5 gallon pails
55 gallon drums

Directions

Fresh Concrete – Krystal 25 OTC should be applied within 1-2 hours after completion of the finishing operation or as soon as possible after surface water has disappeared. If applied to new stamped concrete, the surface must be free of all release agent residue. Coat surface uniformly, leaving no pinholes or gaps, at a coverage rate of 250-400 ft² per gallon for the first coat. Apply hand sprayers equipped with Viton O rings and fittings and nozzles specifically designed for high solids curing compounds, such as Chapin nozzle 1-5937 or equal. Common garden type sprayers should not be used.

Apply as soon as the surface is sufficiently hard, so that it will not be marred. Do not puddle. If using a roller, use a ¼" nap that is solvent resistant. Keep the roller wet and keep a wet edge while applying to avoid lap marks. Excessive rolling will cause bubbles. Apply the second coat at 400 ft² per gallon after the previous coat has dried completely. Be sure both coats are dry and hard before opening slabs to traffic. The best results are achieved with 2 thin coats.

Aged Concrete - Remove all foreign matter. Apply as described above, however coverage rate may vary from 400-500 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.

This product may be roller-applied, although a more even application is accomplished by spraying on the product 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 25 OTC prior to application, will provide a slip-resistant surface.

Krystal 25 OTC dries extremely fast. 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 and read & understand the label, product data sheet, and current Safety Data Sheet for Krystal 25 OTC. Do not thin. This product will not freeze; however, 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 25 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 sites before igniting and exploding. Prevent the buildup of vapors; use ONLY with substantial cross ventilation. Do not breathe vapor 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 solvent odor, safety concerns, or the fast drying time is objectionable, use one of our emulsions (water based) such as Krystal 25 Emulsion, Krystal 25 Emulsion EF. The complete Safety Data Sheet MUST BE READ before using it and is available online at www.kaufmanproducts.net or through our office at 800-637-6372.

When Krystal 25 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.*"

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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