

K A U F M A N

PRODUCT
INFORMATION

KAUFMAN
PRODUCTS
INC.

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Krystal 30

Description

Krystal 30 is our highest quality non-yellowing curing & sealing compound. It contains increased amounts of modified acrylic co-polymers for better sealing of the concrete surface from stains and provides a more dustproofed slab. It assures total resistance to yellowing from ultraviolet exposure. Krystal 30 meets all aspects of ASTM C-1315 and is classified as a non-yellowing (Class A) curing & sealing compound.

Uses

This tough copolymer concrete treatment is designed for exterior applications only, and for both above and below grade. Easily applied, Krystal 30 provides a premium performance and long lasting gloss and "wet-look" to the floors. In fact, the gloss is measured at 100%. Krystal 30 is compatible with both conventional carpet and resilient flooring adhesives. Krystal 30 is recommended for curing, hardening, dustproofing, and sealing of both new and old concrete surfaces, and is recommended as both a curing compound and sealer for exposed aggregate concrete. By changing the reflective index of the natural aggregates, the colors come to life

Compliances

ASTM C-309, Type I, Class A & B
ASTM C-1315, Type I, Class A
AASHTO M-148, Type I

Physical Characteristics@75°F & 50% RH

Color	Clear
NVM	30%
Viscosity	60-100 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	<650 g/l
Moisture Loss (ASTM C-156)	<.30 kg/m ²
Specular Gloss (ASTM D-523)	96%
Flash Point	>105°F TCC
Shelf Life	2 years in unopened container

Packaging

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

Directions

Fresh Concrete – Krystal 30 should be applied within 1-2 hours after completion of the finishing operation or as soon as possible after surface water has disappeared. Coat surface uniformly, leaving no pinholes or gaps, at a coverage rate of 300-400 ft² per gallon for the first coat. Apply with hand sprayers equipped 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.

Apply second coat at 400-450 ft² per gallon, after previous coat has dried at least overnight. Be sure both coats are dry and hard before opening slabs to traffic.

Aged Concrete - Remove all foreign matter. Apply as described above, however the 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.

Krystal 30 may also 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 puddled 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 30 prior to application, will provide a slip-resistant surface.

Notes

Prior to use, STOP and read & understand the label, product data sheet, and current Safety Data Sheet for Krystal 30. 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 30 should NOT be used inside any structures, or be allowed to enter any structures. This product is highly flammable, and vapors may ignite explosively,

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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 solvent odor, safety concerns, or the fast drying time is objectionable, use our emulsion (water based) product called Krystal 30 Emulsion or our safer solvent version called Krystal 30 PCBTF. The complete Safety Data Sheet MUST BE READ before using and is available online at www.kaufmanproducts.net or through our office at 800-637-6372.

When Krystal 30 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

Test 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.