

Product Description

Krete Guard is a high performance 100% solids, decorative epoxy floor coating system. It may be used as topcoat, floor sealer or in conjunction with grit to form a non-skid surface. It cures to form a smooth, glossy surface finish. Krete Guard is available in clear and light gray. Special colors available upon request. Consult your M-Chem representative for lead times and minimum quantities.

General Uses

- Areas around paper mill machinery
- Car dealership show rooms
- Mechanical equipment maintenance bays
- Aircraft hangars
- Food processing plants
- Warehouse traffic aisles

Features

- Good chemical resistance
- 100% solids
- High gloss finish
- Rapid curing system for fast start-up
- Easy roller applied application
- High build capabilities
- Moisture insensitive
- Excellent durability and abrasion resistance
- Selection of colors

Standards

Complies with USGBC EQ Credit 4.2: Low - Emitting Materials: Paints & Coatings under Indoor Environmental Quality. VOC compliant

Instructions for use

Surface Preparation

The surface to be coated must be clean, sound, and free of dirt, oil, rust, standing water, paint, laitance, or any other contaminant that can interfere with the bonding of the coating of the surface. The surface can be prepared by sand-blasting, shotblasting, scarifying, chipping, The prepared surface must be thoroughly cleaned prior to coating. Substrates may be damp surface-dry.

New concrete must be cured at least 28 days. New concrete must be properly prepared as stated above.

Mixing

Mix Part A and Part B together for 2 to 3 minutes to ensure thorough blending. For best, use a mechanical Jiffy® type mixer operated at low speeds (200-250 rpm).

Application

Using a brush or roller spread Krete Guard evenly across the surface at the recommended coverage rate. The second

Test Data

Mix Ratio	2:1 by volume
Viscosity Mixed	1200 CPS
Pot Life	40 minutes
Tack Free To Touch	4-6 hours
Initial Cure	24 hours
Final Cure	7 days
Tensile Strength	6900 PSI
Rate Of Application	75-125 SQ Ft/Gl
Slant Sheer Bond	2200 PSI

coat may be applied when the first coat is tacky, but not dry. When skid-resistance is required, broadcast sharp, clean grit into the coating while still tacky. A general guideline using 20 to 40 mesh, sharp, light silica sand is as follows:

Slight Non-Skid

0.10-0.25 lb/sq. ft.

Heavy Non-Skid

0.25-0.75 lb/sq. ft.

Dense Packed for Thick Buildup

0.75-1.0 lb/sq. ft.

Brush excess grit off after coating is completely set.

Apply topcoat, repeating steps 1 and 2.

Colors: medium gray, dark gray, red, beige, green & black

For best performance

- Do not apply Krete Guard when the surface temperature is below 50°F (10°C).
- Cracks and holes in concrete should be repaired prior to application of Krete Guard.
- The floor surface must be structurally sound, free from hydrostatic pressure, contaminants, curing compounds or other materials which will prevent adhesion.
- Whenever the concrete surface is porous, which will cause entrained air to blister the coating, a primer such as M-Chem Procron should be used.
- Make certain the most current version of this data guide is being used; contact your local M-Chem representative to verify the most current version.
 - Proper application is the responsibility of the user. Field visits by M-Chem personnel are for the purpose of making technical recommendations, only, and are not to supervise or provide quality control on the job site.

Coverage

- Coverage is 50-125 ft²/gallon
- Each coat requires application of 8 mils wet film thickness per coat (two coats are recommended).

Packaging

- 3 gallon kits
- 15 gallon kits

Limitations/Warning

For industrial use only.

Krete Guard components contain epoxy resins and polyamine catalyst. Store in cool, dry area (50° to 90°F) (10° to 32°C) away from direct sunlight, flame or other hazards. During application of Krete Guard materials, always wear gloves and appropriate work clothing to minimize contact. Ventilation is required with special consideration for enclosed or confined areas.

Air movement must be designed to ensure turnover at all location sin work area and adjacent areas to avoid buildup of heavy vapors. Use caution when handling flammable liquids. Eliminate sources of ignition and containers with residues from work area.

Observe safe storage practices by separating resins from hardeners and keeping solvents in a cool area free of sources of ignitions.

Refer to material safety data sheet prior to use.

VOC content: 0.0 g/L.

Technical services

M-Chem Solutions LLC - Chemical Technical Service Department provides complete product and technical support.

Limited Warranty: Subject to the conditions and limitations stated below, M-Chem Solutions LLC ("M-Chem") warrants this product to be free from manufacturing defects for a period of one (1) year from the date of purchase of the product. As conditions of this limited warranty, you may be required. At the option of M-Chem to provide proof of product purchase and use. **DISCLAIMER:** THIS LIMITED WARRANTY IS GIVEN IN LIEU OF ANY OTHER WARRANTY, EXPRESS OR IMPLIED, THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, INCLUDING WARRANTIES BASED ON SAMPLES OR ORAL STATEMENTS, WHICH EXTEND BEYOND THE DESCRIPTION ON THE FACE HEREOF. **IMPLIED WARRANTIES OF MERCHANTABILITY AND OF FITNESS FOR A PARTICULAR PURPOSE ARE EXCLUDED.** **EXCLUSIVE REMEDY:** The sale and exclusive remedy for a breach of this limited warranty is replacement of the M-Chem product that is proven defective. In the event this sole and exclusive remedy fails of its essential purpose, the liability of M-Chem is limited to return of the original purchase price. **EXCLUSION:** M-Chem is not responsible for workmanship not in accordance with M-Chem instructions and industry standard guidelines. **M-Chem IS NOT LIABLE FOR ANY INCIDENTAL DAMAGES OR CONSEQUENTIAL DAMAGES, INCLUDING LOSSES DUE TO DELAYS, INCURRED BY THE PURCHASER OR ANY OTHER PARTY.**
