

Mikro-Krete™

Ultra-smooth Acrylic Modified Micro Topping



PRODUCT AND APPLICATION GUIDE

Description

Mikro-Krete™ is an extremely versatile and durable cementitious topping for both interior and exterior concrete surfaces. Mikro-Krete™ is designed for horizontal surfaces, but may be used on vertical surfaces as well. Application is accomplished in layers usually with trowels or squeegees. Mikro-Krete™ creates an exceedingly smooth, tight-trowel finish.

FEATURES

The mix design provides for the unique property of feathering material to zero. Applying Mikro-Krete™ prior to staining undesirably surfaced concrete will provide pleasing and predictable results. Mikro-Krete™ may be integrally tinted or acid stained.

COMPONENTS

Mikro-Krete™ is a single component mix design that requires only the addition of potable water. Since all of the necessary ingredients are pre-blended in the pail, it is the ultimate in user-friendly products. Mikro-Krete™ requires 2 base coats and if desired one top coat which are packaged separately.

SURFACE PREPARATION

The host surface must be clean, structurally sound, cured, and profiled. Remove all laitance, efflorescence, chemical contaminants, grease, oil, old paint, rust, algae, mildew, and other foreign matter that may serve as a bond breaker. Shot blasting, scarifying or water blasting may be necessary to achieve a proper profile. Clean and degrease first by using Kover Krete Citra-Klean SB™, pressure wash off residue, next profile concrete using Kover Krete Concrete Profiler™, followed by an aggressive pressure washing off entire area using a 3000-3500 psi (4-10 GPM) pressure washer. Holes, spalls, voids, and irregularities should be appropriately treated to provide a flat surface prior to installation. Substrate must be 40°F and rising before installation. Surface at 100°F and above must be cooled before installation. Pre-dampen area with fog tipped sprayer before using, leaving no puddles.

APPLICATION

Mikro-Krete™'s recommended application requires a minimum of two coats. If desired for extreme flatness and tight-trowel finish, utilize three coats: 2 base coats and 1

finish coat. Depending on site conditions and desired results, the number of coats may be adjusted either up or down. Fewer coats may not achieve the superlative slick tight-trowel finish.

BASE COAT: The prepared surface should be pre-dampened: saturated, surface dry (SSD). Add approximately 1 ½ - 2 quarts to 10 lbs of Mikro-Krete™. Mechanically mix at 450-600 rpm to a flowable consistency in a clean vessel. Allow to stand 2-5 minutes before applying. Batch enough material that can be used in 10-20 minutes time frame, maintaining a wet edge. Consistency in mixing and application are key to a uniform color palette. Two coats are recommended. Allow drying between coats. When coats are dry enough to walk on remove trowel tracks or any irregularities with a scraper. If base coat dries beyond its initial set, grinders or sanding discs may be required to dress up between coats. Recognize that any irregularities in the case coat will telegraph through the finish coat.

TOP COAT: Apply finish coat with the same ratios and standards of mix. Finish coats may be applied by trowel, sponge, or brush to achieve unique textures and finishes. Additional integral tinting to create a marbleizing effect. Batch enough material that can be used in 10-20 minutes time frame, maintaining a wet edge. As the finish coat becomes tacky, a second pass with trowel to remove any tracking will create the often-desired slick tight-trowel finish.

CURING

Allow to air cure after application. High heat, sunlight, and windy conditions will accelerate the hydration rate, while cooler temperatures and high humidity will retard hydration rate. Best results occur with moderate temperatures 60°F - 80°F. With moderate conditions Mikro-Krete™ will dry to the touch between coats within approximately 20 minutes. It should achieve initial set in approximately 8 hours. Allow a minimum of 12 hours set time before sealing Mikro-Krete™. Do not allow water to stand on surface prior to full cure (minimum 12 hours) Excessive water can contribute to bond failure, even small quantities of water can discolor surface.

SEALING

Allow a minimum of 12 hours set time before sealing Mikro-Krete™. Apply two coats of either Klear Gard SB or WB™ sealer.

LIMITATIONS

Do not allow Mikro-Krete™ to freeze. Apply in temperatures between 40°F and 100°F. This product should be applied by competent contractors experienced in its placement.

Manufactured by

CONTRACT PACKAGING INC.

22 N. Dollins Avenue - Orlando, FL 32805

Tel. (407) 246-7797 - Fax. (407) 481-2261 - www.koverkrete.com

PACKAGING

Base Coat - 40 lb pail / Top Coat - 25 lb pail

COVERAGE

BASE COAT (40 lb pail) = 250-300 sq. ft. @ 2 coats

TOP COAT (25 lb pail) = 300-400 sq. ft.

LIMITED WARRANTY NOTICE

Contract Packaging, Inc. products are designed to be used in the construction industry and should be applied by competent persons in accordance with current published instructions. We cannot be held responsible for difficulty caused by other materials and conditions, or by inferior workmanship. Seller reserves the right to have the true cause of any difficulty determined by accepted test methods by an independent party. Any claim regarding product defect must be received in writing (1) year from day of shipment. No claim will be considered without such written notice or after the specified time interval.

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