

TOPCRETE 200

COLOR HARDENER

A ready to use, dry shake, colored or uncolored hardener for freshly placed concrete hardscapes or floors.

DESCRIPTION and USES:

Formulated to be easily incorporated into the surface of freshly placed concrete, TopCrete 200 produces hard, durable, abrasion - resistant hardscapes or interior floors. Time tested for over 60 years, it offers streak-free, uniform color in the widest color selection of any permanent concrete coloring method. Due to its dense surface, TopCrete 200 is longer wearing, easier to maintain, and more resistant to the effects of freeze / thaw cycles and de-icing salts.

With proven product uniformity, TopCrete 200 provides color consistency, phase-to-phase and project-to-project. TopCrete 200 adds vibrant colors to hardscapes while providing an attractive and durable surface for pedestrian and vehicular traffic. Sections of concrete in contrasting or complimentary colors are often placed to form intriguing patterns.

TopCrete 200 is regularly used with stamped concrete to produce the look of hand-set brick, tile, or aged stone. Used with a variety of imprinting tools, its rich finishing paste allows the production of sharp, clear, wear-resistant patterns.

SUB-GRADE PREPARATION:

The sub-grade should be well drained and have adequate and uniform load-bearing characteristics. To reduce cracking it should be graded so that the thickness of the concrete will be uniform. At the time of concreting, it must be moist, completely consolidated, and free of dust. If

necessary, the sub-grade should be dampened with clean water in advance of concreting. Concrete should not be placed over freestanding water or muddy, frozen, or soft spots.

CONCRETE MIX DESIGN:

The concrete should contain a minimum of 300 kg. of cement per cubic meter of concrete, All fine and coarse aggregates must be non reactive (free of deleterious particles). The water content should be the minimum practicable, and the slump should not exceed 100mm. A normal or retarded-set, water-reducing admixture may be used. An air-entraining admixture complying with ASTM C 260 should be used in all concrete flatwork that will be subject to freeze / thaw cycles and as specified or required by the engineer for workability or durability. The concrete mix must not contain any admixture or additive that contains calcium chloride.

CONCRETE PLACING:

Surrounding areas, landscaping, and adjacent surfaces should be protected. Weather conditions should be considered when planning installation, climatic and other conditions would affect the number of finishers required. When concrete is placed in sunny-hot windy weather, wind breaks may be needed. Precautions should be taken to prevent plastic shrinkage cracking resulting from excessively rapid drying at the surface.

Before the appearance of excess moisture or bleed water, the surface should be screeded to the finished grade specified by the architect, and wood-floated to the required flatness and level.

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Exterior concrete should be sloped adequately for proper drainage, normally a minimum of 1 cm/m. When the concrete is air-entrained, floating should be delayed to minimize stickiness.

APPLICATION:

TopCrete 200 should be applied after the concrete substrate has reached the point where the bleed water disappears and the floating process will not disrupt the level of the surface. Color hardener should never be used to dry bleed water remaining on the surface.

TopCrete 200 Color Hardener should be hand broadcasted uniformly across the surface by the dry-shake method. Two-thirds of the materials should be applied in the first shake with one-third being withheld for the second shake and final touch-up as necessary. On average 2.5-3 Kg. / Square meter is appropriate for most applications.

For more uniform coverage, applications should be made at 90 degrees to each other when practical. Since concrete sets more rapidly along the edges of the slab, material should be applied to the edges first, and they should be worked before the rest of the surface. A small quantity of material should be withheld from the final shake for touching up non uniform or weak-toned areas as necessary.

After each application, the dry color hardener must be thoroughly and completely worked into the surface by use of wooden hand floats. The concrete must not be troweled until after the final application.

TopCrete 300, Powdered Release Agent in the appropriate color and A-Z

SuperTop Sealer should be. When construction joints are to be saw cut, the use of a dry-cut saw is suggested within the first few hours depending on weather conditions.

CURING:

Until completely cured, the color of concrete is normally less uniform and appears darker than the final color. Since the surface of the stamped concrete is consolidated and filled with release agents, washing within 36 hours and depending on weather conditions provides adequate curing. Applying the Acrylic sealer serves also as a curing agent.

The cured surface should be protected from damage by other trades. The concrete must not be covered with plastic sheeting. If additional protection is absolutely required, the surface should remain uncovered for a minimum of four days, after which they may be covered with new and un-wrinkled, non staining, reinforced, kraft curing paper.

APPLICABLE STANDARDS:

The coloring materials in TopCrete 200 conform to ASTM C 979 for color stability. Professional concreting standards and practices, including those published by the American Concrete Institute (ACI) and the Portland Cement Association (PCA), should be followed.

PACKAGING:

25 KG. Bags.

Manufactured by TEKNO In Turkey