



TUF-TOP COATINGS

SINCE 1938

CRYSTAL SEAL

SUPER CLEAR FINISH
WATER BASED

24-XX

DESCRIPTION:

TUF-TOP CRYSTAL SEAL is a water - borne , non- blushing, non- yellowing, super acrylic " CLEAR " coating for glazing and sealing painted walks and driveways, as well as bare concrete areas. Unlike other water-based clears, CRYSTAL SEAL will NOT get a white blush when wet (an overnight cure is needed to achieve this special property). Other water-based sealers get an ugly, milky, or hazy look when wet, but not CRYSTAL SEAL. CRYSTAL SEAL continues to harden and cure for 7-10 days after application to provide a much harder, tougher, longer lasting finish than conventional water-based coatings and even most solvent-based sealers. In most exterior applications, CRYSTAL SEAL will last over one year without yellowing or losing its gloss. CRYSTAL SEAL may be tinted with up to 2 fl. oz. per gallon with universal tints to achieve a mottled or translucent effect over bare concrete or compatible coatings.

USES:

HIGH GLOSS FINISH COAT FOR STAINED DRIVEWAYS AND WALKS

WAREHOUSE AND GARAGE FLOORS

CONCRETE WATER REPELLENT

FAUX EFFECTS



PREPARATION:

(STAINED OR PAINTED DRIVEWAYS AND WALKS)- works very well over TUF-TOP WATER BASED CONCRETE FLOOR AND DRIVEWAY ENAMELS to give a final high gloss and enable better gas and chemical resistance. Over new TUF-TOP simply wait until the paint is dry (2-6 hours depending on weather) before painting. CRYSTAL SEAL works over most other acrylic and other single package stains- simply wait a few hours after the coating has dried to apply. For older painted surfaces, remove dirt and grease with detergent, scrub and rinse thoroughly. All surfaces must be clean and dry. CRYSTAL SEAL will adhere to most stains that are old and weathered, but may not adhere to polyurethanes, silicone modified coatings or epoxies. Contact the previous installer to find out what type of stain was used or try a test area. Call your dealer or TUF-TOP for help if uncertain.

(NEW OR BARE CONCRETE)- For new bare concrete, wait 4 - 6 weeks or until most moisture is out of the concrete before sealing. ALL BARE CONCRETE SHOULD BE ETCHED WITH A 1:4 MURIATIC ACID AND WATER SOLUTION TO ACHIEVE A PROFILE SIMILAR TO MEDIUM GRIT (120-220) SANDPAPER. All residue left after etching must be thoroughly removed before coating. If the floors have been previously sealed, special caution must be taken to insure that Crystal Seal will adhere to the old sealer. CRYSTAL SEAL will adhere to most sealers that are old and weathered , but may not adhere to polyurethane, alkyd, epoxy, or silicate type sealers. Contact the previous installer to find out what type of sealer was used previously, or try a test area. Call your dealer, or TUF-TOP for help if uncertain. All surfaces to be coated must be clean and dry.

APPLICATION:

(CONCRETE FINISH COAT)- Apply with roller, brush, airless or conventional type sprayer. For most applications two "thin" coats are preferred. Apply first coat, allow to dry (2-4 hours depending on weather) and apply second coat. For best results do not dilute with water. Allow overnight drying for light foot traffic and 48 hours before driving on.

(STAINED OR PAINTED DRIVEWAYS AND WALKS) - Same as " Concrete " Applications.

(WAREHOUSE AND GARAGE FLOORS)- Same as " Concrete " application.

DRYING TIME:

Normally dries in 1- 3 hours and can be walked upon after drying overnight. 48 hours are generally required before driving vehicles on. Lower temperatures and high humidities can extend drying and curing time. Moisture and dew on the surface will halt the curing process until the surface dries again and should be taken into consideration.

LIMITATIONS:

DO NOT APPLY when air or surface temperatures are below 50 degrees Fahrenheit, (10 C), or are expected to fall there before coating will have a chance to dry.

DO NOT APPLY to wet or damp surfaces.

MAY NOT ADHERE to some alkyd, urethane, or silicone modified coatings.

DO NOT APPLY when it may rain or if dew may condense on the surface before CRYSTAL SEAL will have a chance to dry.

DO NOT ALLOW to freeze. Store above 32 degrees Fahrenheit (0 C).

APPLY IN THIN COATS ONLY, OVER APPLICATION MAY RESULT IN EXTENDED DRY TIMES, BLUSHING, OR POOR DURABILITY.

TECHNICAL DATA:

SOLIDS	22 % WL. 19 VOL.
COVERAGE	150-350 SQ.FT. GAL DEPENDING ON POROSITY AND TEXTURE OF SUBSTRATE
DILUENT	WATER
CLEAN UP	SOAP AND WATER
VOC CONTENT	174 GR/LITER
ODOR	SLIGHT
APPEARANCE	MILKY WHITE (DRIES CLEAR)
LIGHT STABILITY	EXCELLENT
DURABILITY	EXCELLENT
WATER RESISTANCE	EXCELLENT
GASOLINE RESISTANCE	FAIR
TENSILE STRENGTH	EXCELLENT
BONDING	GOOD
EPA AIM CATEGORY	FLOOR COATING

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LIMITATION OF LIABILITY: The Manufacturer and/or seller warrants that if any goods supplied prove defective in workmanship or material, that Manufacturer and/or seller shall replace them or refund the purchase price. This warranty is made in lieu of any and all other warranties expressed or implied. Before application, the User shall determine the suitability of the product for his intended and User assumes all risks and liabilities. whatsoever in connection therewith Under no circumstances shall the Manufacturer and/or Seller be liable for incidental, consequential or other damages for alleged negligence, breach or warranty, or strict liability arising out of use or handling of this product. The sole liability of Manufacturer and/or Seller for any claims arising out of the use or sale of the product shall be for User's purchase price.