

CRYSTAL SEAL HD

SUPER CLEAR FINISH
URETHANE-LIKE PERFORMANCE
WATER-BASED
24-XX

DESCRIPTION

TUF-TOP CRYSTAL SEAL HD is a **single-component, high-gloss, low V.O.C** acrylic clear coating. Based on Nano-Technology, CRYSTAL SEAL HD demonstrates outstanding adhesion to a wide range of substrates including most coatings. CRYSTAL SEAL HD incorporates a chemical curing mechanism that achieves fast initial water resistance and curing, and continues to harden and cure for 7-10 days after application to give a harder, tougher finish than conventional water-based coatings and even most solvent-based sealers. CRYSTAL SEAL HD may be tinted with up to 1 fl. oz. per gallon with universal tints to achieve a mottled or translucent color effect over bare concrete or compatible coatings.

USES & FEATURES

- HIGH GLOSS FINISH COAT FOR STAINED DRIVEWAYS AND WALKS
- FAUX EFFECTS
- AS A CLEAR SEALER FOR EXTENDING THE GLOSS AND SERVICE LIFE OF MOST COATINGS
- DECORATIVE CONCRETE, MASONRY AND STATUARY SEALER
- LOW ODOR / LOW V.O.C.
- HIGH SOLIDS / NEW & IMPROVED FORMULA
- SUITABLE FOR USE IN USDA INSPECTED FACILITIES

PREPARATION

- **Concrete Finish Coat** -- All concrete must be free from dirt, grease, and mildew. Scrub with detergent or treat with bleach as needed and rinse thoroughly. If the concrete finish is smooth or steel trowelled we recommend etching the surface with a 3:1 water/muriatic acid solution to open up the pores of the concrete to allow full adhesion. The surface should then be pressure washed or thoroughly scrubbed and rinsed to remove all acid and concrete residue. If the surface has been previously **sealed**, special **caution** must be taken to ensure that **CRYSTAL SEAL HD** will adhere to the old sealer. **CRYSTAL SEAL HD** will adhere to most coatings, but may not adhere to polyurethane, silicone or silicate type sealers. Contact the previous installer to find out what type of sealer was used or try a test area and check adhesion after full cure with duct tape. Call your dealer or TUF-TOP for help if not sure. All surfaces must be clean and dry.
- **Stained or Painted Driveways and Walks** -- Works very well over TUF-TOP CONCRETE FLOOR ENAMELS and SEALERS to give a final high gloss and enable better gas and chemical resistance. Over new TUF-TOP simply wait until the paint is dry (8-12 hours depending on weather) before painting. **CRYSTAL SEAL HD** works over most acrylic and other single-package stains and paints -- simply wait 8-12 hours after the coating has dried to apply. For older painted surfaces, remove dirt and grease with a detergent scrubbing and rinse thoroughly. All surfaces must be clean and dry. **CRYSTAL SEAL HD** will adhere to most stains, but may not adhere to polyurethane, silicone or silicate type sealers. 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 not sure.

APPLICATION

- **Concrete Finish Coat** -- Do not apply if air and surface temperature are below 60°F. Apply with roller, brush, airless, or conventional type sprayer. For most applications, two coats are preferred. Apply first coat, allow to dry (4-6 hours depending on weather), and apply second coat. For best results do not dilute with water. Allow 24 HOURS drying for light foot traffic and 72 hours before driving on.
- **Stained or Painted Driveways and Walks** -- Same as concrete application.

DRYING TIME

- Do not apply if air and surface temperature are below 60°F. Normally dries in 2-4 hours, and can be walked on after 24 hours drying. 72 hours are generally required before driving vehicles on. Low temperatures and high humidity can extend drying and curing time. Moisture and dew on the surface will halt the curing until it dries off again and should be taken into consideration.

LIMITATIONS

- Not for use on Concrete or Brick Pavers
- Do not apply when air or surface temperatures are below 60°F, or are expected to fall there before coating can dry.
- Do not apply to a wet or damp surface.
- Will not adhere to Alkyd, Epoxy, Urethane, Silicate or Silicone modified coatings.
- Do not apply when it may rain or if dew may condense on the surface before **CRYSTAL SEAL HD** will have a chance to dry.
- Do not allow to freeze. Store above 32°F (0°C).
- **THIS IS A GLOSSY PAINT AND IT WILL GET SLICK WHEN WET. IF THE SURFACE HAS NOT ALREADY BEEN TREATED TO REDUCE SLIP HAZARDS, SAND OR OTHER MATERIAL SHOULD BE ADDED TO THIS PRODUCT TO REDUCE THIS CONDITION. IT IS THE SOLE RESPONSIBILITY OF THE APPLICATOR OR OWNER TO DETERMINE THE SUITABILITY AND SAFETY OF APPLYING THIS PRODUCT IN AREAS OF PEDESTRIAN TRAFFIC.**

** While this coating is resistant, is not a guarantee against tire staining. All tires have the potential to leave brown rubber bleed stains under certain conditions. To avoid this, park on plexiglass, lexan or carpet squares to avoid staining.

TECHNICAL DATA

SOLIDS	30%
COVERAGE	150-350 sq. ft./gal depending on porosity and texture of substrate
DILUENT	Water
CLEAN-UP	Soap and Water
VOC CONTENT	50 GR/LITER
ODOR	Slight
APPEARANCE	Milky White (dries clear)
LIGHT STABILITY	Excellent
DURABILITY	Excellent
WATER RESISTANCE	Excellent
GASOLINE RESISTANCE	Excellent
TENSILE STRENGTH	Excellent
BONDING	Excellent
EPA AIM CATAGORY	FLOOR COATING

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