



H&C™ PRO SERIES™ HIGH-PERFORMANCE INDUSTRIAL CLEAR



PRODUCT DESCRIPTION

H&C™ Pro Series™ High-Performance Industrial Clear is a high-solids, single-component, aliphatic, moisture-cure urethane floor coating that cures to a high-gloss, chemical-resistant film equivalent in performance to two-part urethane coatings.

FEATURES & BENEFITS

- Highly resistant to alkalis, dilute acids, solvents, chemicals, jet fuel, and grease.
- High-gloss formula resists yellowing, impact and abrasion.
- Formulated for easy brush and roller application.
- Meets ADA requirements for slip-resistance of floors.
- Complies with USDA food requirements for safety.
- Ideal for commercial applications

RECOMMENDED USES

H&C™ Pro Series™ High-Performance Industrial Clear can be used to protect and enhance bare or previously coated interior or exterior concrete floors. It is ideal for commercial applications requiring a heavy-duty, chemical-resistant finish and may be used as a protective clear coat over H&C™ INFUSION® Reactive Stains, Acetone Dye Stains and Semi-Transparent Decorative Stains. Applications include schools, warehouses, retail facilities, airport hangars and garage floors. Interior and exterior use.

COVERAGE RATES

Substrate	sq ft/gal
Smooth-troweled concrete floors	330-500
Previously stained surfaces	200-300

NOTE: Coverage will vary depending on porosity and texture of substrate.

JOBSITE TEST SECTION

Due to the wide variety of substrates, preparation methods, application methods and environments, it is important to create a test sample. H&C™ Pro Series™ High-Performance Industrial Clear may not be compatible over other coatings and decorative concrete finishes.

LIMITATIONS

Do not use as a topcoat over any H&C™ clear or solid-color sealers and stains. Mechanically abrade the surface if recoating after 14 days.

TOOLS REQUIRED

- Brush—Use natural bristle brushes
- Roller—Use a 1/4" - 3/8" nap woven or other solvent-resistant cover.
- Eye Protection
- Respiratory Protection
- Gloves

SURFACE PREPARATION

All surfaces must be clean, dry and free of grease, oil, paint and sealers.* To remove light soil from the surface, use H&C™ CONCRETEREADY® Cleaner Degreaser mixed to a 50/50 ratio with water. To remove heavy oil and grease stains, use the cleaner full strength. Follow all H&C™ CONCRETEREADY® Cleaner Degreaser label instructions. If mold, mildew or fungus is present, scrub surface before coating with a commercial mildew remover following manufacturer's safety instructions.

Bare Concrete: Allow new concrete to cure at least 28 days. Concrete surfaces should be able to absorb water. To test absorption, spray various sections of the surface to be stained with water. If the water does not absorb rapidly, then acid etch the surface using H&C™ CONCRETEREADY® Etching Solution, following label instructions. After proper etching, the surface should feel like 120-grit sandpaper. If not, then etch again. Mechanical abrasion methods may be necessary to achieve proper profile. Reference surface prep standard SSPC-SP13/NACE 6, or ICRI No. 310 2R, CSP 1-3. Do not apply the sealer until all surfaces are porous. Prepared concrete must have a pH of 6 to 10.

Previously Stained (Solid Color) or Sealed Concrete:
Not Recommended.

***WARNING!** If you scrape, sand or remove old paint, you may release lead dust. LEAD IS TOXIC. EXPOSURE TO LEAD DUST CAN CAUSE SERIOUS ILLNESS, SUCH AS BRAIN DAMAGE, ESPECIALLY IN CHILDREN. PREGNANT WOMEN SHOULD ALSO AVOID EXPOSURE. Wear a NIOSH-approved respirator to control lead exposure. Clean up carefully with a HEPA vacuum and a wet mop. Before you start, find out how to protect yourself and your family by contacting the National Lead Information Hotline at 1-800-424-LEAD or log on to www.epa.gov/lead.

APPLICATION INSTRUCTIONS

H&C™ Pro Series™ High-Performance Industrial Clear should be applied to dry surfaces only. Air and concrete surface temperatures should be between 50°F and 90°F during and for 24 hours following application. Do not apply if rain is expected within 12 hours.

How to Apply: Stir product only before and during application. Before applying, dry-sweep the concrete with a stiff broom or shop vacuum to remove all dust and debris. Apply with a synthetic brush or roller with a nap thickness not exceeding 3/8 inch. Two coats of sealer may be required to improve final appearance. If a second coat is desired, allow a minimum dry time of 9 hours between coats. Do not overapply, as bubbles may result. If bubbling occurs on the first coat, second coat can be reduced with R7K65-14, no more than 20% .

Top Coating: Allow H&C™ INFUSION® Semi-Transparent Concrete Stain and H&C™ INFUSION® Acetone Dye Stain to dry a minimum of 4 hours before applying H&C High-Performance Industrial Clear. After final rinsing allow INFUSION® Reactive Stain to dry a minimum of 24 hours. Pigment residue left from INFUSION® decorative stains can prevent adequate adhesion of the sealer. Neutralize (reactive stains) and remove this residue (reactive and acetone dye stains) and allow the surface to dry thoroughly before applying.

SLIP RESISTANCE

Some surfaces such as inclined driveways, garages, steps and patios may require a slip-resistant additive for safety. If more than two coats are applied, consider using H&C™ SHARKGRIP® Slip-Resistant Additive in the final coat. See product data page for detailed instructions.

REDUCE/CLEANUP

Reduce / Clean H&C™ Pro Series™ High-Performance Industrial Clear with R2K5, or R7K65. Follow manufacturer's safety recommendations when using any solvent cleaner.

MAINTENANCE

Surfaces coated with H&C™ Pro Series™ High-Performance Industrial Clear are easily cleaned using 3 parts water to 1 part H&C™ CONCRETEREADY® Cleaner Degreaser.

ORDERING INFORMATION

Clear	Part Number/SMIS
1 gallon	50.170154/6509-09658
5 gallons	50.170155/6509-09666

PHYSICAL PROPERTIES

Physical Properties and Characteristics		
Property	Test Method	Value
Dry Time (@ 77°F, 50% RH)	Dry-to-touch	2 hours
	Heavy or vehicle traffic	72 to 96 hours
	Recoat	9 hours minimum, 14 days maximum*
VOC	EPA Method 24	<300g/L
Finish	ASTM D523	Gloss, >90 units @60°
Slip Resistance (floors)	ASTM C1028-96, .60 minimum static coefficient of friction	Passes wet and dry, with and without SharkGrip additive
Abrasion Resistance	ASTM D4060, CS17 wheel, 1,000 cycles 1 kg load	116 mg loss
Adhesion	ASTM D4541	350 psi, 100% concrete failure
Hot Tire Pickup	ITM P213.00@140°F (60°C)	Pass
Moisture Condensation Resistance	ASTM D45885, 100°F (38°C), 1,000 hours	Rating 10 (per ASTM D714 for blistering)
Pencil Hardness	ASTM D3363	H
Chemical Resistance	ASTM D1308	Resists fumes, splash and spillage of mild acids, alkalies, salts, aliphatic and aromatic hydrocarbon solvents, lubricating oils and Skydrol.
Volume Solids	ASTM D2832	68% ± 2%
Weight Solids	ASTM D2832	74% ± 2%
Weight per Gallon	ASTM D1475	9.85 lbs. ± 2%

*Mechanically abrade the surface if recoating after 14 days.

CAUTION

Danger. Flammable liquid and vapor. May be fatal if swallowed and enters airways. Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation. Harmful if inhaled. May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause respiratory irritation. Suspected of causing cancer. May damage fertility or the unborn child. May cause damage to organs through prolonged or repeated exposure.

Prevention: Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep container tightly closed. Use explosion-proof electrical, ventilating, lighting and all material-handling equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Do not breathe vapor. Wash hands thoroughly after handling. Use only outdoors or in a well-ventilated area. Contaminated work clothing must not be allowed out of the workplace. Wear protective gloves. Wear eye or face protection. Wear protective clothing. Wear respiratory protection. **Response: IF SWALLOWED:** Immediately call a **POISON CENTER** or physician. Do **NOT** induce vomiting. **IF ON SKIN:** Wash with plenty of soap and water. Wash contaminated clothing before reuse. **IF ON SKIN** (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. **IF INHALED:** If breathing is difficult, remove person to fresh air and keep comfortable for breathing. Call a **POISON CENTER** or physician if you feel unwell. **IF IN EYES:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. **IF** exposed or concerned: Get medical attention. Get medical attention if you feel unwell. If skin irritation or rash occurs: Get medical attention. If eye irritation persists: Get medical attention. If experiencing respiratory symptoms: Call a **POISON CENTER** or physician. Storage: Keep cool. Store in a well-ventilated place. Store locked up. Disposal: Dispose of contents and container in accordance with all local, regional, national and international regulations. **DELAYED EFFECTS FROM LONG TERM OVEREXPOSURE.** Contains solvents which can cause permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents can be harmful or fatal. **WARNING:** This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. **FOR INDUSTRIAL USE ONLY.** Please refer to the SDS for additional information. Keep out of reach of children. Do not transfer contents to other containers for storage. **VAPOR AND SPRAY MIST HARMFUL.** Gives off harmful vapor of solvents and isocyanates.

CAUTION

DO NOT USE IF YOU HAVE CHRONIC (LONG-TERM) LUNG OR BREATHING PROBLEMS, OR IF YOU HAVE EVER HAD A REACTION TO ISOCYANATES. USE ONLY WITH ADEQUATE VENTILATION. WHERE OVERSPRAY IS PRESENT, A POSITIVE PRESSURE AIR SUPPLIED RESPIRATOR (NIOSH approved) SHOULD BE WORN TO PREVENT EXPOSURE. IF UNAVAILABLE, AN APPROPRIATE PROPERLY FITTED APPROVED NIOSH VAPOR/PARTICULATE RESPIRATOR MAY BE EFFECTIVE. Follow directions for respirator use. Wear the respirator for the whole time of spraying and until all vapors and mists are gone. If you have any breathing problems during use, **LEAVE THE AREA** and get fresh air. If problems remain or happen later, **IMMEDIATELY** call a doctor — If not available get emergency medical treatment. Have this label with you. Reacts with water in closed container to produce pressure which may cause container to burst. 46261 (7/16)

TECHNICAL SERVICES

The information and recommendations set forth in this product data sheet are based on tests conducted by or on behalf of H&C Products Group and The Sherwin-Williams® Company. Such information and recommendations set forth herein are subject to change and pertain to the product offered at the time of publication. Consult your H&C™ or Sherwin-Williams representative to obtain the most recent product data sheet.

For technical assistance, call 1-800-867-8246 or visit www.hcconcrete.com.