111.20
H&C® WATER-BASED 2-PART POLYURETHANE CLEAR COAT - GLOSS

FOR PROFESSIONAL USE ONLY.

SERIES INFO: 50.07035A-20 (PART A); 50.07035B-20 (PART B)
50.07035B-16 (PART B)

PRODUCT DESCRIPTION

H&C Water-Based Polyurethane Clear Coat resin is a two-component, 60%+ solids, water-based, breathable clear aliphatic urethane available in two finishes, Gloss and Satin. **H&C Water-Based Polyurethane Clear Coat** provides the performance characteristics of solvent-based systems with the ease of application associated with water-based systems.

Please Note: This is a catalyzed product. **H&C Water-Based Polyurethane Clear Coat** Part A (Clear) and Part B (Hardener) must be mixed prior to use.

Features & Benefits

- Available in a gloss or satin for a choice of sheen
- Meets the strictest VOC regulations making it suitable for use in all States.
- Breathable coating to minimize moisture entrapment and degradation of the coating
- Good chemical resistance to maintain performance of the coating
- Can be used in USDA inspected facilities
- Excellent wear and adhesion properties
- Ideal topcoat for epoxy clear coat
- Safe application for occupied buildings
- Interior use

Recommended Uses:
H&C Water-Based Polyurethane Clear Coat was designed to be used over H&C decorative concrete overlayments, concrete and masonry substrates. Applications include: stamped concrete, heavy traffic, stained concrete, and most other commercial and industrial cementitious flooring requiring a durable satin finish. This sealer can be used for interior surfaces and provides a tough, durable and aesthetically pleasing finish.

CHARACTERISTICS

Color: Clear

Coverage: 250-400 sq ft/gal*
4-6 wet mils
*Textured or porous surfaces will result in less coverage

Drying Time, @ 72°F, 50% RH:
temperature and humidity dependent

To touch	4-6 hours
Recoat	2-4 hours
Foot traffic	24 hours
Heavy traffic	48-72 hours
Pot Life	1.5 hours

*NOTE: High humidity and /or low temperatures will affect drying time.

VOC (EPA Method 24):
<50 g/l; 0.42 lb/gal mixed
Volume Solids: 55 ± 2% mixed
Weight Solids: 62 ± 2% mixed
Weight per Gallon: 10.7 ± 0.2 lb/gal; 1.28 Kg/L, mixed

Mix Ratio: 3:1
Can be reduced up to 20% with potable water

Clear Sheen: Gloss

Static Coefficient of Friction:
per NFSI test method B101.3-2012 & B101.1-2009

	Wet SCOF	Wet DCOF
With SharkGrip	.72	.50
With out SharkGrip	.53	.46

Shelf Life:
Part A: 12 months, unopened
Part B: 6 months, unopened
Store indoors at 50°F (10°C) – 90°F (32°C)

PERFORMANCE TESTS

Abrasion Resistance
Method: ASTM D4060, CS17 Wheel, 1000 cycles
Results: 41 mg loss

Flammability
Method: 24 hours
Results: Self-extinguishing over concrete

Pencil Hardness
Method: ASTM D 3363
Results: 4H

Adhesion
Method: ASTM D7234
Results: 482 psi concrete failure

Chemical Resistance
Method: 24 hour exposure test
Results: (NE = No Effect)

- Gasoline – NE
- Transmission Fluid – NE
- Brake Fluid – NE
- Antifreeze – NE
- Motor Oil – NE
- 5% NaCl – NE
- 5% NaOH – NE
- Muriatic Acid – NE
- SafKleen – NE
- 10% Bleach – NE
- CIP 100 – NE
- Vesphene – NE
- LPHsE – NE
- 25% Phosphoric Acid – NE
- 50% Sodium Hydroxide – NE
- IPA – NE

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SURFACE PREPARATION

Proper inspection and preparation of the substrate to receive resinous material is critical.

WARNING! Removal of old paint by sanding, scraping or other means may generate dust or fumes that contain lead. Exposure to lead dust or fumes may cause brain damage or other adverse health effects, especially in children or pregnant women. Controlling exposure to lead or other hazardous substances requires the use of proper protective equipment, such as a properly fitted respirator (NIOSH approved) and proper containment and cleanup.
For more information, call the National Lead Information Center at 1-800-424-LEAD (in US) or contact your local health authority.

Bare Concrete: Freshly placed concrete must be a minimum of 28 days old. All concrete should be clean and free of laitance, oil, grease and mildew. To spot clean, use **H&C Cleaner Degreaser**, following label directions. If mold, mildew or fungus is present, kill and remove with a solution of one-cup household bleach to one gallon of water. Wear protective eyewear, waterproof gloves, and protective clothing. Quickly wash off any of the mixture that comes into contact with your skin.

DO NOT ADD DETERGENTS OR AMMONIA TO THE BLEACH/WATER SOLUTION.

SURFACE PREPARATION

Properly prepared concrete should be clean, dry and absorbent. Concrete MUST be etched, with **H&C Etching Solution** or muriatic acid, following label directions. The surface should have the feel of 120-grit sandpaper, if not then a second etching is required. Properly etched concrete should absorb water rapidly. To test, place a dime size amount of tap water onto various areas of the slab to be coated, the water should absorb and darken the concrete in 10-15 seconds. If the water does not absorb then additional surface preparation methods should be done.

Other methods would include mechanical grinding or shot blasting of the surface. Consult a professional surface preparation company if unfamiliar with mechanical preparation methods. Cured concrete should have a pH level between 6 and 10.

Previously Stained or Colored: Make sure previously stained or dyed surfaces are in sound condition. **H&C Water-Based Polyurethane Clear Coat** can be used over H&C Decorative Stains and Dyes including, Semi-Transparent Stains, Acetone Dyes Stains and Infusion™ Reactive Stains. Please refer to the respective data pages for dry times before applying **H&C Water-Based Polyurethane Clear Coat.**

H&C Cleaner Degreaser mixed to a 50/50 ratio with water will remove any contaminants from the surface. Refer to H&C Cleaner Degreaser data page for specific instructions.

APPLICATION

FOR PROFESSIONAL USE ONLY.

Tools required: Synthetic Brushes, Rollers (1/4"-3/8"), Spiked Shoes, Mixing Blade, Variable Speed Drill.

Please Note: This is a catalyzed product. **H&C Water-Based Polyurethane Clear Coat** Part A (Clear) and Part B (Hardener) must be mixed prior to use.

1. Premix Part A (resin) using a low speed drill and blade. Mix for one minute and until uniform, exercising caution not to whip air into the material.

2. Add 3 parts of Part A (resin) to 1 part of Part B (hardener), mix with low speed drill and blade for three minutes and until uniform.

3. Apply mixed product using a 1/4”- 3/8” nap roller at a spread rate of 250-400 square feet per gallon evenly with no puddles making sure of uniform coverage. Puddling of material will result in CO2 entrapment and will appear as a white discoloration. One coat is sufficient.

NOTE: Dry hot conditions may result in less time for this product to level properly. If these conditions exist or you notice the material is not leveling smooth, this product **should be reduced up to 20% with potable water.**

This product tacks quickly; you must maintain a wet edge to avoid the potential for roller lines, if you see lines during application cross roll to eliminate.

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APPLICATION

4. This product cure(s) to a very hard, glass-like film, recoating after cure is difficult. If a second coat is required or planned apply the second coat 2-4 hrs after installation of the first coat. This will require spiked shoes, the film will still be tacky and care will need to be taken to roll out any cleat marks. If the first coat has cured overnight it will require sanding using an orbital buffing machine and 80 grit sanding screen.

5. Allow 24 hours minimum before opening to wheeled traffic and water exposure.

Slip Resistance: Some surfaces may require a slip resistant additive for safety. Add **H&C SharkGrip Slip Resistant Additive** to the final coat applied following label directions. This product should not be used in place of a nonskid finish.

CLEAN UP

Clean up mixing and application equipment immediately after use with soap and water.

MAITENANCE

Clean light to medium soiled surfaces with a 50/50 solution of **H&C® Cleaner Degreaser** to water. Use **H&C® Cleaner Degreaser** at full strength for heavy soiled areas, such as oil and grease stains. If **H&C Cleaner Degreaser** is not available, use a good quality neutral based cleaner degreaser following manufacturer's directions for use.

CAUTIONS

Refer to the MSDS sheet before use. Published technical data and instructions are subject to change without notice. Contact your H&C Field Sales Representative for additional technical data and instructions.

WARNING! IRRITATES EYES, SKIN AND RESPIRATORY TRACT. CONTAINS BUTOXYPROPANOL. VAPOR HARMFUL. Use only with adequate ventilation. This product must be used with an appropriate catalyst. Follow the respirator requirement and instructions on the catalyst. Avoid contact with eyes and skin. Wash hands after using. Keep container closed when not in use. Do not transfer contents to other containers for storage.

FIRST AID: In case of eye contact, flush thoroughly with large amounts of water. Get medical attention if irritation persists. If swallowed, call Poison Control Center, hospital emergency room, or physician immediately.

This product must be mixed with other components before use. Before opening the packages, READ AND FOLLOW WARNING LABELS ON ALL COMPONENTS. WARNING: This product contains a chemical known to the State of California to cause birth defects or other reproductive harm.

DO NOT TAKE INTERNALLY. KEEP OUT OF THE REACH OF CHILDREN. FOR PROFESSIONAL USE ONLY. SEE MATERIAL SAFETY DATA SHEET.

ORDERING INFORMATION

FIVE	**Part Number/SMIS**
Part A:	50.07035A-20/650486178
Part B:	50.07035B-20/650486186

GALLON	**Part Number/SMIS**
Part B:	50.07035B 16/650494727

TECHNICAL SERVICES

The information and recommendations set forth in this Product Data Sheet are based upon tests conducted by or on behalf of H&C concrete coatings 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. Questions, call 1.800.867.8246.