

PRODUCT DESCRIPTION:

Smart Strip® Advanced Paint Remover strips multiple layers of acrylic, latex, oil, and water-based paints, varnishes, and stains from most wood, metal, and masonry surfaces, usually in a single application. This versatile paint remover works effectively indoors and out and is Do it Yourself friendly for projects around the home.

Introduced in 2006, **Smart Strip Advanced** has taken a crucial role in major restoration projects on historic buildings and landmarks, government facilities, and entertainment venues around the world. The Eiffel Tower in Paris, the US Capitol Building in Washington, D.C., and even the famous Hollywood sign in California have all been restored using **Smart Strip Advanced**!

Unlike many other paint removers, the **Smart Strip Advanced** gel formula is completely non-caustic. It does NOT contain dangerous or hazardous chemicals like methylene chloride or NMP. This makes it the perfect choice for professional and DIY projects!

MAIN FEATURES & BENEFITS:

- Do it Yourself / User Friendly; Easy to Use
- Removes acrylic, latex, oil, water-based and asbestos-type paints, varnishes, and stains.
- Does NOT contain Methylene Chloride, NMP, or caustic chemicals.
- Removes multiple layers of coatings, usually in a single application.
- Compatible with most surfaces (wood, masonry, metal). See full list under "Recommended Substrates".
- Water-based gel formula clings to vertical surfaces.
- Suitable for interior and exterior applications.
- **Smart Strip Advanced** is pH neutral and non-flammable.
- Made in the USA with high quality US & Imported ingredients.



TECHINICAL DATA:

Form:	White Viscous Liquid Gel
Weight/Gal:	10 lbs. / gallon; 4.54 kg / 4 L
pH:	6-7 pH
Freezing Point:	32 °F / 0 °C
Coverage:	Approx. 40 - 45 sq. ft. per gallon; 3.72 - 4.18 sq. m. per liter/litre
Shelf Life:	Approx. 3 years when stored in a tightly sealed container at room temperature, in a clean, dry environment.

RECOMMENDED SUBSTRATES:

Smart Strip Advanced may be used on brick, cast iron, cement, concrete, copper, enamel, granite, iron, marble, plaster, steel, slate, stone, terra cotta, terrazzo, tin, and wood. It is not recommended for use on some types of glass, plexiglass, some plastics, vinyl, drywall, or rubber. If you do not see your substrate in this section, or are unsure of compatibility, perform a small test to determine product efficiency.

LIMITATIONS:

Smart Strip Advanced works on most oil, acrylic, latex, and water-based paints, stains, and varnishes. Will not typically remove epoxy, alkyd, lead, elastomeric, or urethane coatings. Ultimately, coating chemistry determines compatibility. ALWAYS perform a test before full application, to ensure product effectiveness.

SURFACE & AIR TEMPERATURES:

Smart Strip Advanced is a water-based gel. It can freeze, evaporate, or harden depending on the temperature. This product is designed for temperatures between **40 °F / 4.4 °C** to **90 °F / 32.2 °C**. It can be applied outside this range; however, effectiveness may be reduced, and work time may be affected. Surface temperature is usually 10 to 12 degrees colder or hotter than the surrounding air temperature, depending on the substrate. Keep this in mind during the colder or warmer months. Product may not perform below **40 °F / 4.4 °C**.

PRODUCT TESTING:

Always perform a test with **Smart Strip Advanced** BEFORE a full-scale application. Testing is the best way to ensure product effectiveness, application thickness, and proper dwell time for your specific project. Failure to do a test patch may result in failed or unnecessary additional applications, or application of the wrong product.

Paint Removal Test Kits are available at www.dumondglobal.com or other fine retailers. Each test kit includes a sample of **Smart Strip® Advanced**, **Smart Strip® PRO**, and **Peel Away® 1** paint removers, **Dumond® Laminated Paper**, **Citri-Lize® pH Neutralizer**, a pH test kit, a scrub pad, a scraper, two brushes, and a pair of gloves. Follow the instructions provided with every kit, or those found below, to test a small, inconspicuous area of each substrate and coating.

PREPARATION:

Prepare the surface by pressure washing or rinsing the substrate to remove any loose debris or coatings. Allow the substrate to dry before applying **Smart Strip Advanced**. Protect and cover all areas with plastic where paint removal is not desired.

APPLICATION & SPREAD RATE:

Apply using a brush, roller, or airless sprayer. Product should be applied approximately 1/8" to 1/4" (3.18 mm to 6.35 mm) thick, depending on the type of coating and number of layers being removed. Refer to prior testing for the best results. When a second coat is required, 1/8" (3.18 mm) thickness should be sufficient.

For an airless sprayer, ensure it can pump at least 3/4 gallon per minute or greater. Use a new 3/8" (9.5 mm) hose line with a .17 to .21 textured tip. Remove all filters and lower the pressure before spraying. Do not leave any remaining product in the sprayer or spray line for an extended time. Keep a clean bucket of water available after use to alleviate clogs and flush the pump.

Smart Strip Advanced uses a water-based gel formula that must remain in a wet state to work properly. After application, it is recommended to cover the paint remover with **Dumond® Laminated Paper** (sold separately) to speed up the removal process, prevent premature drying, and aid in clean up. Cover the **Smart Strip Advanced** gel directly and gently smooth the paper without pressing too firmly to ensure there are no visible air pockets.

DWELL TIME:

The time required for softening/lifting of coatings will vary according to the number of layers present, the type of coatings being removed, and the surface temperature. Pre-project testing will help determine the proper work time. Higher temperatures will speed up the removal process, but the product may dry out more quickly.

Allow 1 - 24 hours to remove paint layers. Check the remover periodically to ensure **Smart Strip Advanced** hasn't dried out or hardened. If this occurs, the paint remover will stop removing the coating beneath. If this has happened, apply another thin coat to hardened areas to reactivate the gel.

REMOVAL:

A NOTE ABOUT REMOVING STAINS & VARNISHES FROM WOOD: Agitation at the conclusion of the removal process is necessary to completely remove the stain or varnish from the wood substrate.

To remove **Smart Strip Advanced**, use a scraper or pressure washer. When using **Dumond® Laminated Paper**, remove, scrape, and clean 1 - 2 sq. ft. of covered area at a time. This will prevent other sections from drying out during cleanup, making removal difficult. Insert a trowel, spatula, or paint scraping tool underneath the paste and lift with the **Dumond® Laminated Paper** while slowly scraping. Scrub all surfaces clean with a sponge or nylon bristle brush and water, or a pressure washer. Rinse thoroughly with water to ensure all remaining residue is removed. Collect paint and product residue in plastic bags and dispose of it in compliance with federal, state, and local regulations.

If **Smart Strip Advanced** dries, it will harden and adhere to the substrate. If this has occurred, remove as much **Dumond® Laminated Paper** as possible, and apply additional **Smart Strip Advanced** to the surface to reactivate the dried material. Let sit for 1 – 2 hours and then fully remove.



AVAILABILITY & COST:

Smart Strip Advanced is available in gallon and 5 gallon containers. **Dumond®** products are available through a nationwide network of paint and hardware stores, safety supply distributors, or online. For an in-person outlet nearest you, please visit www.dumondglobal.com. Once on the website, type your postal/zip code into the dealer locator to find addresses and phone numbers of your nearest dealers. **Smart Strip Advanced** is also available in select countries internationally.

HEALTH & SAFETY REQUIREMENTS:

The full Safety Data Sheet (SDS) for **Smart Strip® Advanced** can be found online at www.dumondglobal.com. View the full SDS **BEFORE** product use for required safety information.

CAUTION: KEEP OUT OF THE REACH OF CHILDREN

This chemical does not meet the hazardous criteria set forth by the **2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)**. No additional warning labels or pictograms are required.

Avoid breathing vapors or spray mist. Use only outdoors or in a well-ventilated area. Call a poison center or doctor/physician if you feel unwell.

For additional emergency assistance, please call **1-800-535-5053** in the United States. International assistance is available at **1-325-323-3500**. Both numbers are available **24/7/365**.

WARRANTY:

Dumond Inc. warrants all its products to be free from defects and makes no other warranties with respect to its products, express or implied, including without limitation the implied warranties of MERCHANTABILITY OF FITNESS FOR PURPOSE. **Dumond Inc.'s** liability shall be limited in all events to supplying sufficient products to re-treat the specific areas to which defective product(s) have been applied. **Dumond Inc.** shall have no other liability, including liability for incidental, consequential, or resultant damages whether due to breach of warranty or negligence. This warranty may not be modified or extended by representatives of **Dumond Inc.** or its distributors and dealers.

Technical Services:

Dumond Inc.'s expert staff is available to answer technical questions and provide product-specific information. For business hours, see our website for more information.

Address: 253 S. Bailey Road
Downingtown, PA 19335
Phone: 1 (610) 383-6061
Email: info@dumondglobal.com
Website: www.dumondglobal.com

1. IDENTIFICATION

Product identifier

Product Name Smart Strip® Advanced Paint Remover

Other means of identification

SDS # DCI-039

Recommended use of the chemical and restrictions on use

Recommended Use For the removal of various paints from numerous substrates.

Details of the supplier of the safety data sheet

Supplier Address

Dumond, Inc.
253 S. Bailey Road
Downingtown, PA 19335

Emergency telephone number

Company Phone Number 1-609-655-7700
Emergency Telephone INFOTRAC 1-352-323-3500 (International)
1-800-535-5053 (North America)

2. HAZARDS IDENTIFICATION

Appearance: Off-white viscous liquid

Physical state: Liquid Gel

Odor: Aromatic

Classification

This chemical does not meet the hazardous criteria set forth by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200). However, this Safety Data Sheet (SDS) contains valuable information critical to the safe handling and proper use of this product. This SDS should be retained and available for employees and other users of this product.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Please also refer to subsequent sections of this SDS for additional information regarding the components of this product.

Chemical name	CAS No	Weight-%
Benzyl alcohol	100-51-6	30-40
Proprietary 1	Proprietary	5-15
Proprietary 2	Proprietary	1-10
Proprietary 3	Proprietary	<1
Proprietary 4	Proprietary	<1
Proprietary 5	Proprietary	<1
Proprietary 6	Proprietary	<1
Proprietary 7	Proprietary	<1
Calcined Kaolin	92704-41-1	<1
Proprietary 8	Proprietary	<0.1

If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.

4. FIRST AID MEASURES

Description of first aid measures

Eye Contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get medical attention if necessary.
Skin Contact	Wash thoroughly with soap and water until no traces of the chemical remain. Remove contaminated clothing and shoes. Call a poison center or doctor/physician if you feel unwell or if skin irritation persists.
Inhalation	Remove exposed individual(s) to fresh air for 20 minutes. Consult a physician/poison center if individual's condition declines or if symptoms persist.
Ingestion	Rinse mouth. If conscious give 2 glasses of water to dilute. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Call a poison center or doctor/physician if you feel unwell.

Most important symptoms and effects, both acute and delayed

Symptoms	May be harmful if swallowed. May be harmful in contact with skin. Mists and vapors cause irritation of the eyes, mucous membranes, and upper respiratory tract.
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Indication of any immediate medical attention and special treatment needed

Notes to Physician	Treat symptomatically.
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5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Water spray (fog). Foam. Dry chemical or CO2.

Unsuitable Extinguishing Media Not determined.

Specific Hazards Arising from the Chemical

Sealed containers may rupture when heated. At elevated temperatures, vapors may form explosive mixtures with air in confined areas. Decomposition may be hazardous. Cool containers exposed to flames with water until well after the fire is out.

Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal Precautions	Wear appropriate protective clothing and equipment to prevent contact.
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Environmental precautions

Environmental precautions	See Section 12 for additional Ecological Information. Do not allow into any sewer, on the ground or into any body of water.
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Methods and material for containment and cleaning up

Methods for Containment	Prevent further leakage or spillage if safe to do so.
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Methods for Clean-Up

Scoop up and collect with an inert absorbent and place into closable containers for disposal. Wash spill area with plenty of water. Spills and releases may have to be reported to Federal and/or local authorities. See section 15.

7. HANDLING AND STORAGE**Precautions for safe handling****Advice on Safe Handling**

Avoid contact with skin, eyes or clothing. Use personal protective equipment as required. Remove Personal Protective Equipment immediately after handling this product. Wash thoroughly after handling before eating, drinking, smoking, or using toilet facilities. Protect container from physical damage. Follow all SDS/label precautions even after container is emptied, because it may retain product residues. Do not breathe vapors or spray mist.

Conditions for safe storage, including any incompatibilities**Storage Conditions**

Keep in a dry, cool and well-ventilated place.

Incompatible Materials

Bases. Strong oxidizers and reducing agents. Strong acids.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION**Exposure Guidelines**

No exposure limits noted for ingredient(s).

Appropriate engineering controls**Engineering Controls**

For operations where contact can occur, a safety shower and an eye wash facility should be available. Good general room ventilation (equivalent to outdoors) should be adequate under normal conditions.

Individual protection measures, such as personal protective equipment**Eye/Face Protection**

Chemical safety goggles/faceshield. Do not wear contact lenses. Refer to 29 CFR 1910.133 for eye and face protection regulations.

Skin and Body Protection

Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact. Butyl rubber or other impervious gloves are required. Reference Wiley's "Quick Selection Guide to Chemical Protective Clothing". Refer to 29 CFR 1910.138 for appropriate skin and body protection.

Respiratory Protection

None needed under normal use conditions with adequate ventilation. If the occupational exposure limits are exceeded, a NIOSH approved respirator with acid gas cartridges or supplied air respirator appropriate for the form and concentration of the contaminants should be used. Selection and use of respiratory equipment must be in accordance with OSHA 1910.134 and good industrial hygiene practice.

General Hygiene Considerations Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES**Information on basic physical and chemical properties**

Physical state
Appearance
Color

Liquid
Off-white paste Viscous liquid
White

Odor
Odor Threshold

Faint aromatic odor
Not determined

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	6-7	
Melting point / freezing point	-15°C / -5°F	
Initial boiling point and boiling range	96°C / 205°F	
Flash point	No data available	
Evaporation Rate	<1	
Flammability (Solid, Gas)	Not determined	
Flammability Limit in Air		
Upper flammability or explosive limits	No data available	
Lower flammability or explosive limits	No data available	
Vapor Pressure	Not determined	
Vapor Density	3-4	(Air=1)
Relative Density	Not determined	
Water Solubility	Moderately soluble in water	
Solubility in other solvents	Not determined	
Partition Coefficient	Not determined	
Autoignition temperature	No data available	
Hyphen	Not determined	
Kinematic viscosity	Not determined	
Dynamic Viscosity	Not determined	
Explosive Properties	Not determined	
Oxidizing Properties	Not determined	
<u>Other information</u>		
Bulk density	10.54 lbs / gal	

10. STABILITY AND REACTIVITY

Reactivity

Not reactive under normal conditions.

Chemical stability

Stable under recommended storage conditions.

Possibility of hazardous reactions

None under normal processing.

Conditions to Avoid

Keep out of reach of children.

Incompatible materials

Bases. Strong oxidizers and reducing agents. Strong acids.

Hazardous decomposition products

Carbon monoxide. Carbon dioxide (CO₂). Nitrogen oxides (NO_x).

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Eye Contact Avoid contact with eyes.

Skin Contact Avoid contact with skin. May be harmful in contact with skin. Prolonged contact may cause redness and irritation.

Inhalation	Avoid inhalation.
Ingestion	May be harmful if swallowed.

Component Information

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Benzyl alcohol 100-51-6	= 1230 mg/kg (Rat)	= 2 g/kg (Rabbit)	> 4178 mg/m ³ (Rat) 4 h
Proprietary 1	= 15900 mg/kg (Rat)	-	-
Proprietary 3	> 5000 mg/kg (Rat)	> 5000 mg/kg (Rabbit)	> 11 mg/L (Rat) 4 h
Proprietary 5	> 5 g/kg (Rat)	> 5 g/kg (Rabbit)	-
Proprietary 6	> 5000 mg/kg (Rat)	> 5000 mg/kg (Rabbit)	-
Proprietary 7	= 1400 mg/kg (Rat)	-	-
Calcined Kaolin 92704-41-1	> 2000 mg/kg (Rat)	-	> 2.07 mg/L (Rat) 4 h
Proprietary 8	= 3 g/kg (Rat)	> 10000 mg/kg (Rabbit)	> 42 mg/L (Rat) 1 h

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms	Please see section 4 of this SDS for symptoms.
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Delayed and immediate effects as well as chronic effects from short and long-term exposure

Carcinogenicity	Based on the information provided, this product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.
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Numerical measures of toxicity

The following values are calculated based on chapter 3.1 of the GHS document

Oral LD50	2,798.50 mg/kg
Dermal LD50	5,040.40 mg/kg
ATEmix (inhalation-dust/mist)	>9 mg/l

12. ECOLOGICAL INFORMATION**Ecotoxicity**

Not determined.

Component Information

Chemical name	Algae/aquatic plants	Fish	Crustacea
Benzyl alcohol 100-51-6		LC50: =460mg/L (96h, Pimephales promelas) LC50: =10mg/L (96h, Lepomis macrochirus)	EC50: =23mg/L (48h, water flea)
Dimethyl Glutarate 1119-40-0		LC50: 19.6 - 26.2mg/L (96h, Pimephales promelas)	EC50: 122.1 - 163.5mg/L (48h, Daphnia magna)
Dimethyl Succinate 106-65-0		LC50: 50 - 100mg/L (96h, Brachydanio rerio)	
Calcined Kaolin 92704-41-1	EC50: >100mg/L (72h, Desmodesmus subspicatus)	LC50: >100mg/L (96h, Oncorhynchus mykiss)	EC50: >1mg/L (48h, Daphnia magna)
Sodium Chloride 7647-14-5		LC50: 5560 - 6080mg/L (96h, Lepomis macrochirus) LC50: =12946mg/L (96h, Lepomis macrochirus) LC50: 6020 - 7070mg/L (96h, Pimephales promelas)	EC50: =1000mg/L (48h, Daphnia magna) EC50: 340.7 - 469.2mg/L (48h, Daphnia magna)

		LC50: =7050mg/L (96h, Pimephales promelas) LC50: 6420 - 6700mg/L (96h, Pimephales promelas) LC50: 4747 - 7824mg/L (96h, Oncorhynchus mykiss)	
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Persistence/Degradability

Not determined.

Bioaccumulation

No information available.

Mobility

Chemical name	Partition coefficient
Benzyl alcohol 100-51-6	1.05
Proprietary 3	0.49
Proprietary 5	0.33
Proprietary 6	1.4

Other adverse effects

Not determined

13. DISPOSAL CONSIDERATIONS**Waste Treatment Methods****Disposal of Wastes**

Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated Packaging

Disposal should be in accordance with applicable regional, national and local laws and regulations.

14. TRANSPORT INFORMATION**Note**

Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.

DOT

Not regulated

IATA

Not regulated

IMDG

Not regulated

15. REGULATORY INFORMATION**International Inventories**

All ingredients are listed or exempt from listing on Chemical Substance Inventory

US Federal Regulations**CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355).

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

US State Regulations**California Proposition 65**

This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations

This product contains the following substance(s) regulated under applicable state right-to-know regulations

Chemical name	New Jersey	Massachusetts	Pennsylvania
Benzyl alcohol 100-51-6		X	X

16. OTHER INFORMATION**NFPA****Health hazards**

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Flammability

-

Instability

-

Special hazards

-

HMIS**Health hazards**

-

Flammability

-

Physical hazards

-

Personal Protection

Not determined

Issue Date:

01-Nov-2018

Revision Date:

12-Jun-2023

Revision Note:

Regulatory update

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet



H&C® COLORTOP™ WATER-BASED SOLID COLOR CONCRETE STAIN



PRODUCT DESCRIPTION

H&C® COLORTOP™ Water-Based Solid Color Concrete Stain is a water-based stain that provides a long-lasting, durable and decorative finish to interior or exterior concrete, masonry, or asphalt surfaces. Fortified with silicone, this easy-to-apply solid color stain can be tinted to hundreds of colors.

**H&C COLORTOP Water-Based Solid Color Concrete Stain is formerly known as H&C® Concrete Stain Solid Color Water-Based.*

FEATURES & BENEFITS

- Provides a durable finish that extends the life of concrete and masonry surfaces
- Highly resistant to pool chemicals and many other household chemicals for long lasting beauty and protection
- Water-Based formulation allows for easier application and clean-up
- Interior & exterior use
- Satin finish

RECOMMENDED USES

H&C® COLORTOP™ Water-Based Solid Color Concrete Stain is formulated for use on concrete, masonry and asphalt. It can be used on both interior and exterior surfaces including walkways, patios, pool decks, basement floors, and block and stucco walls.

COVERAGE RATES

Substrate*	sq ft/gal
Concrete floors	200-300
Porous concrete	150-250
Concrete block	100-150
Split-faced block	75-125
Fluted block	50-100
Brick (clay)	100-150
Asphalt	200-250

*Coverage will vary depending on the porosity and texture of the substrate.

SURFACE PREPARATION

New 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. Do not apply the stain until all surfaces are porous. Allow all surfaces to dry at least 24 hours before staining. Prepared concrete must have a pH of 6 to 10.

***WARNING:** Removal of old paint by sanding, scraping or other means may generate dust or fumes that contain lead. To avoid exposure to lead dust, wear proper protective equipment, such as a properly fitted respirator (NIOSH approved) and follow proper containment and cleanup procedures. For more information, call the National Lead Information Center at 1-800-424-LEAD (in U.S.) or contact your local health authority.

Asphalt: Asphalt surfaces must be free of grease, oil, dirt, wax, and other surface contaminants. Scrub with a solvent-free cleaner, following label directions. Do not etch asphalt. Not recommended for use on freshly sealed asphalt. Newly placed or sealed asphalt should be allowed to cure at least 90 days prior application of a water-based top coat.

Repair: For the best repair on vertical and horizontal concrete and masonry surfaces, use H&C CONCRETEREADY Quick Patch and Repair to fill low spots and spalled concrete.

JOBSITE TEST SECTION

Due to the wide variety of substrates, preparation methods, application methods and environments, it is important to create a test sample.

LIMITATIONS

Do not use on wood surfaces.

TOOLS REQUIRED

- Synthetic bristle paint brush
- Synthetic roller cover (3/8 to 1/2-inch nap)
- Airless sprayer 2000 psi; tip .015 to .017 inch
- Eye Protection
- Respiratory Protection
- Gloves

NOTE: Back rolling is recommended after spraying.

APPLICATION INSTRUCTIONS

Apply H&C COLORTOP Water-Based Solid Color Concrete Stain onto dry surfaces only. Moisture content should not exceed 3 lbs/1,000 sq. ft. of surface (ASTM F710). Air, surface and material temperatures must be between 40o and 90o F and at least 5o above the dew point during and for 24 hours after application. Temperatures should be maintained above 40o F for a minimum of 7 days after application to allow for proper curing of the coating. Do not apply H&C COLORTOP Water-Based if rain is expected within 12 hours following application. A minimum of two coats are required.

How to Apply: Apply with a brush, roller, or sprayer. Stir product thoroughly before and during application. When using more than one container, intermix all containers together to ensure color uniformity. Prior to applying the first coat, dry sweep the concrete with a stiff broom or shop vacuum to remove all loose surface contaminants.

First Coat: Apply first coat evenly, working in one direction. Allow to dry at least 2 hours before applying the second coat.

Second Coat: For best coverage, apply the second coat perpendicular to the first coat. Two coats of H&C COLORTOP Water-Based Solid Color Concrete Stain are usually sufficient. However, extremely porous surfaces may require a third coat for a uniform appearance. Allow 2 hours of dry time between coats.

SLIP RESISTANCE

Some surfaces may require a slip/skid-resistant additive for safety. Surfaces may be slippery when wet and proper preventative precautions are recommended. To increase slip/skid resistance, add H&C® SharkGrip® Slip Resistant Additive to the coating when applying. See product data page for detailed instructions. The addition of anti-slip/skid additives will not eliminate the possibility or risk of slipping/skidding or falling.

CLEANUP

Clean tools and any spills or spatters immediately using soap and warm water.

DISPOSAL

Follow your state or local regulations for disposal methods.

PHYSICAL PROPERTIES

Typical Physical Properties and Characteristics		
Property	Test Method	Value
Dry Time (@ 77°F, 50% RH)	Dry-to-touch	30 minutes
	Light traffic (foot)	2 hours
	Heavy traffic	72-96 hours
	Recoat	2 hours
	Full cure	7-14 days
Flash Point	ASTM D93, PMCC	499 deg. F.
VOC	EPA Method 24	<224 g/L; 1.87 lb/gal*
Water-Vapor Transmission	ASTM D1653, Method A	5.21 ± 0.12 grains/sq ft/hr
Perm Rating	ASTM D1653	11.2 ± 0.3 grains/(hr ft² in Hg)
Accelerated Weathering	ASTM G154 Color change	3,000 hrs., no effect Delta E = 0.35
	ASTM G155	No cracking, delamination or discoloration
Wind-Driven Rain Resistance	Rilem Tube Method #11.4	Zero water penetration after 60 mins. exposure
Salt Spray Resistance	ASTM B117	No film defect after 500 hrs. exposure
Chemical Resistance	• 10% sodium hydroxide • 10% ammonium hydroxide • Mineral spirits (KB value 38)	No softening or color change
Sulfide Staining Resistance	ASTM D1712	No change after 15 mins.
Chloride Ion Penetration	AASHTO T 259/T 260	Reduction of 54% @ 0.0625-0.5" penetration, 83% @ 0.5-1.0" penetration, 36% @ 1.0-1.5" penetration
Impact Resistance (6 inch-pounds direct impact)	Fed. Std. 141A Method 2051 ASTM D2794	No film chipping
Abrasion Resistance	ASTM D968	>2,000 liters of sand
Flexibility (1-inch-diameter mandrel)	ASTM D522 Method B	No cracking or breaking
Scrub-Resistance Testing	ASTM D2486	1,200 cycles, no failure
Adhesion Testing	ASTM 3359 • Method A X-cut tape test	No film loss; Classification 5A
	• Method B cross-cut tape test	Less than 5% removed; Classification 4B
Reflectance of White	ASTM E1331	86% + 3%
Color & Gloss Retention	ASTM G90	Color: Less than 0.30 change Sheen: 0.5 difference @ 60°
Sheen (pigmented & clear)	ASTM D523	Low luster < 35
Volume Solids Pigmented: Solids by Weight Solids by Volume	ASTM D2832	43% ± 2%* 30% ± 2%*
Weight per Gallon	ASTM D1475	10 lbs.*

*May vary depending on color

MAINTENANCE

Surfaces treated with H&C COLORTOP Water-Based are easily cleaned using 3 parts water to 1 part H&C CONCRETEREADY Cleaner Degreaser.

ORDERING INFORMATION

Extra White	Part Number/SMIS
1 gallon	20.101214/6507-11450
5 gallons	20.101215/6507-11468
Deep Base	Part Number/SMIS
1 gallon	20.102214/6507-11633
5 gallons	20.102215/6507-11641
Ultra Deep	Part Number/SMIS
1 gallon	20.103214/6507-11690
5 gallons	20.103215/6507-11708

CAUTION

CAUTIONS: CONTAINS CRYSTALLINE SILICA. Use only with adequate ventilation. To avoid overexposure, open windows and doors or use other means to ensure fresh air entry during application and drying. If you experience eye watering, headaches, or dizziness, increase fresh air, or wear respiratory protection (**NIOSH** approved) or leave the area. Adequate ventilation required when sanding or abrading the dried film. If adequate ventilation cannot be provided wear an approved particulate respirator (**NIOSH** approved). Follow respirator manufacturer's directions for respirator use. 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. **DELAYED EFFECTS FROM LONG TERM OVEREXPOSURE.** Abrading or sanding of the dry film may release crystalline silica which has been shown to cause lung damage and cancer under long term exposure.

WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. **DO NOT TAKE INTERNALLY. KEEP OUT OF THE REACH OF CHILDREN.**

LIMITED WARRANTY

This warranty is only valid when the product is applied and maintained according to product application and maintenance instructions to a properly prepared surface. If the product fails to perform in accordance with applicable product literature **H&C** shall either replace an equivalent quantity of product free of charge or refund the original purchase price. For a replacement or a refund, return the product to the place of purchase accompanied by the original proof of purchase. This warranty shall not apply to any defect, damage or product failure resulting from improper surface preparation, structural defects, environmental damage, failure of a previous product, deterioration or defect in the underlying substrate, or improper application and maintenance of the product. Your exclusive remedy is the replacement of product or refund and does not include labor or costs associated with the application or removal of any product. **IN NO EVENT SHALL H&C BE LIABLE FOR ANY TYPE OF INCIDENTAL, CONSEQUENTIAL, SPECIAL, EXEMPLARY, PUNITIVE, OR INDIRECT DAMAGES WHETHER OR NOT PURCHASER IS ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. ALL IMPLIED WARRANTIES, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, SHALL HAVE THE SAME DURATION AS THE ABOVE EXPRESS WARRANTY.** Some states do not allow limitations on how long an implied warranty lasts or limitations on incidental or consequential damages, so portions of the limitations above might not apply to you. This warranty gives you specific legal rights, and you may have other rights, which vary from state to state.

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.