HYDROCRYL™ ACRYLIC SEALER

TECHNICAL DATA SHEET

DESCRIPTION

Hydrocryl™ is a premium, water-based acrylic sealer engineered to deliver exceptional chemical resistance, superior film formation, and long-term UV stability. Developed using advanced self-crosslinking polymer technology, it forms a dense, high-build film that enhances color vibrancy and provides lasting protection against weathering, abrasion, and chemical exposure.

Hydrocryl™ achieves a lab-verified chemical resistance score of 88 out of 90 across 9 common chemicals — outperforming other commercial solvent-based sealers (76/90) while delivering the application safety, low odor, and environmental responsibility of a water-based system. Available in Gloss and Satin finishes.

PRODUCT BENEFITS

- **Superior Chemical Resistance:** Lab-verified 88/90 score across 9 chemicals including brake fluid, gasoline, motor oil, and 70% IPA.
- **Outperforms Solvent-Based:** Beats other commercial solvent-based sealers on chemical resistance while remaining water-based and non-flammable.
- **High Film Build:** 33% solids by weight delivers a thick, durable protective film in fewer coats.
- **Ultra-Low VOC:** 25 g/L formulation supports healthier indoor and outdoor environments.
- **UV Stable & Non-Yellowing:** Maintains long-term clarity and color depth under direct sun exposure.
- **Resists Hot Tire Pickup:** Engineered for driveways, garages, and high-traffic surfaces.
- **Two Finish Options:** Available in Gloss and Satin to match any design intent.
- **Non-Flammable:** NFPA Fire Rating 0 — safe for enclosed spaces and indoor applications.

PRE-APPLICATION

- **Clean:** The surface must be entirely free from dust, dirt, oil, grease, paints, glues, non-water-based acrylic sealers, curing agents, efflorescence, chemical contaminants, rust, algae, mildew, and other materials that could prevent proper bonding.
- **Cured:** Ensure the concrete or overlay is fully cured before application. Cement-based products should cure for at least 28 days for optimal results.
- **Sound:** Only apply to cement-based products that are not flaking or spalling. The substrate must be structurally sound. For surfaces showing signs of delamination, use diamond grinding, shot blasting, or similar mechanical methods for removal.
- **Profiled:** Perform an absorption test to check if the concrete is ready for sealing. Pour water onto the concrete surface and wait 3–5 minutes. If the water soaks in within 3–5 minutes, it is ready for Hydrocryl™ application. If water beads up, there is an old sealer: strip it first with Destiny Stripper™ (Hydrocryl only goes over a water-based sealer). If it soaks in slower than 3–5 minutes, clean and etch with CitrusEtch™ to open the pores, then test again.
- **Temperature:** For best results, apply at a surface temperature from 50°F (10°C) to 95°F (35°C).

PREPARATION

- **Personal Safety:** Always wear appropriate personal protective equipment as recommended in the Safety Data Sheet.
- **Area Preparation:** Protect surfaces not intended for sealing by covering surrounding areas to prevent accidental application.
- Avoid using tape on concrete surfaces before application, as adhesives and plasticizers can interfere with the sealer's effectiveness. After application, wait 7 days (full cure), then use only delicate-surface or low-tack painter's tape (not standard masking or duct tape). Leave it on 24 hours at most, keep taped areas out of direct sun and off a hot slab, and pull it slowly, back on itself at a low angle, while the surface is cool.

TOOLS FOR APPLICATION

For Large Applications choose the appropriate tool based on your application needs:

- 3/8″ nap roller and bucket grid (for even rolling applications)
- 8″ – 10″ extension pole (for extended reach)

For the 4 oz trial kit only: use a foam brush, alongside a tub or dishpan that's large enough for easy dipping of the brush.

APPLICATION

- Divide the work area into manageable sections, using natural break points like walls and joints to ensure uniform application.
- Maintain wet edges to minimize overlap marks.
- Achieve even coverage by rolling in a continuous, thin, overlapping pattern. **Note:** Hydrocryl™ will appear milky when applied but will dry clear.
- Prevent puddling and drips: backroll with a 3/8″ nap roller.
- Allow **1 to 2 hours** between coats, then the thumb test, adjusting for environmental conditions.
- Test before a second coat with your thumb (not your thumbnail): if it leaves a fingerprint, it isn't ready.
- Apply thin layers to avoid bubbling and ensure optimal finish and performance.
- **Tip for Windy Conditions:** Roll under windy conditions to minimize sealer waste and prevent bubble formation.
- To enhance traction, broadcast OxiGrip™ with a spreader onto the wet second coat, or mix it into the Hydrocryl™ for the second coat. No back-rolling.

THINNING

Do not thin or dilute this product.

COVERAGE

Estimated coverage is approximately **200 square feet (18.58 m^2) per gallon** for two coats; a third coat needs more product. Actual coverage rates may differ based on factors such as surface porosity, texture, the age and condition of the concrete, chosen application method, and prevailing environmental conditions.

CLEAN UP

- **Immediate Clean Up:** For effective clean-up of spills and cleaning of tools before Hydrocryl™ has dried, use ProClean Degreaser™ in its standard dilution. Consult the Technical Data Sheet for usage and safety details.
- **Removing Cured Sealer:** To remove Hydrocryl™ once it has cured, Destiny Stripper™ is recommended.

SURFACE PROTECTION AND MAINTENANCE

- Periodically inspect the sealed surface for areas where the sealer may be thinning or showing signs of wear due to traffic. Reapply the sealer as needed.
- If traces of efflorescence are present, they should be removed using a gentle cleaner before resealing or applying any maintenance products.
- For interior surfaces, the application of ProWax Polish™ is recommended as a sacrificial layer on top of the existing seal coat to enhance protection and appearance.

SUITABILITY SAMPLE

Prior to application, prepare a sufficient number of test areas on the actual substrate to determine the aesthetic suitability of the product for its intended use.

CHEMICAL RESISTANCE

Lab-verified score of **88/90** across 9 industry-standard chemicals — outperforming other commercial solvent-based sealers (76/90).

Chemical	Hydrocryl	Commercial SB
Transmission fluid	10/10	10/10
Brake fluid	9/10	6/10
Gasoline	10/10	9/10
Ammonia	10/10	10/10
Motor oil	10/10	10/10
70% IPA	**10/10**	**1/10**
Windex	10/10	10/10
Formula 409	10/10	10/10
Vinegar	9/10	10/10
Total	**88/90**	**76/90**

LIMITATIONS & PRECAUTIONS

- **Surface Compatibility:** Hydrocryl™ may experience adhesion challenges when applied to hard-troweled (machine-smoothed) surfaces or surfaces whose pores are smaller than the sealer's particles. This can result in the sealer drying without proper adhesion.
- **Avoid Liquid Contact During Curing:** Prevent any liquids, including sweat, from coming into contact with the uncured coating, as this can affect both the curing process and the quality of the finish.
- **Wear and Tear:** As with all water-based acrylic sealers, Hydrocryl™ is subject to surface wear. Longevity and durability are contingent upon proper application to a suitably prepared surface and will also depend on the volume and type of traffic.
- **Recoat Window:** Allow **1 to 2 hours** between coats, then the thumb test: press your thumb (not your thumbnail); if it leaves a fingerprint, it isn't ready. Full cure: 7 days, longer in cool or humid conditions.

SLIP RESISTANCE

Two prominent US agencies, OSHA and the Department of Justice through the Americans with Disabilities Act (ADA), have set guidelines for minimum coefficients of friction to ensure safety on walkways and ramps. The ADA standards are notably more stringent, requiring a minimum coefficient of friction of 0.6 for accessible walkways and 0.8 for ramps. It is the applicator's responsibility to ensure these criteria are met, especially in areas prone to becoming wet, oily, or greasy. Refer to OxiGrip™ Slip Resistant Additive TDS and its accompanying coefficient of friction table.

DISPOSAL

For the disposal of any unused product, please refer to your local environmental or hazardous waste management authority to ensure compliance with local regulations.

SHELF LIFE AND STORAGE

This product should be used within **one year of purchase** for optimal effectiveness. For storage, keep the product indoors, in a cool area away from direct sunlight and heat sources. **Do not allow to freeze.** Minimum storage temperature: 40°F (4°C).

HEALTH & SAFETY GUIDELINES

CAUTION: Avoid contact with eyes and skin. Do not take internally. In case of eye contact, flush thoroughly with water for at least 15 minutes. In case of skin contact, flush thoroughly with water. If swallowed, do not induce vomiting. Call physician immediately. **KEEP OUT OF REACH OF CHILDREN.**

WARRANTY

Hydrocryl™, a proprietary product of Direct Colors LLC, is guaranteed to maintain uniform quality within the bounds of manufacturing tolerances. However, as we have no control over its application, no explicit or implied warranty is provided concerning the effects of such use. In the event of a proven defect, our liability is strictly limited to refunding the purchase price of the defective material. The user is responsible for all other risks and liabilities that may arise from the use of this product. For any inquiries, please reach out to Direct Colors customer service.

AVAILABLE SIZES & PACKAGING

- 4-Ounce (0.118L) Bottle
- 1-Gallon (3.785L) Jug
- 5-Gallon (18.925L) Carboy

APPLICABLE STANDARDS

- Meets EQ Credit 4.2 for Low-Emitting Materials: Paints & Coatings.
- VOC content: 25 g/L — complies with major state and regional VOC regulations for architectural coatings.

COMPLEMENTARY PRODUCTS

- ProClean Degreaser™ — Concentrate cleaning agent
- CitrusEtch™ — Concrete etching agent
- ProClean Neutralizer™ — Concentrate neutralizer
- OxiGrip™ — Slip resistant sealer additive
- ProWax Polish™ — Premium floor wax & polish
- AcquaTint™ — Acrylic water-based tinted sealer
- EasySeal™ (solvent) — Solvent-based professional sealer

TECHNICAL SERVICE & SUPPORT

Direct Colors offers comprehensive technical assistance and consulting services. Our expertise includes product selection guidance, specification details, troubleshooting support, and advice on the effective repair and protection of concrete surfaces. We are committed to providing tailored solutions to meet your specific project needs.

TECHNICAL DATA

Physical State	Liquid
Color (wet)	Milky white
Color (cured)	Clear
Odor	Slight / low odor
Solubility in Water	100%
VOC	25 g/L
Solids (weight %)	33.24%
Solids (volume %)	31.38%
Specific Gravity	~1.02 (8.54 lbs/gal)
Flash Point	Non-flammable (NFPA Fire: 0)
Coverage	~200 sq ft/gal for two coats
Dry time	15–30 minutes to touch; 24 hours for normal use
Recoat window	1–2 hours, then thumb test
Application temp.	50°F – 95°F
Finishes available	Gloss, Satin

SAFETY DATA SHEET

Scan the QR code below for the complete Safety Data Sheet, or visit directcolors.com

QR CODE PENDING

MANUFACTURERS SKU & UPC

4 oz Gloss	DC-ACS-LIG-HGL-4OZ	[UPC PENDING]
1 gal Gloss	DC-ACS-LIG-HGL-1GAL	[UPC PENDING]
5 gal Gloss	DC-ACS-LIG-HGL-5GAL	[UPC PENDING]
4 oz Satin	DC-ACS-LIG-SAT-4OZ	[UPC PENDING]
1 gal Satin	DC-ACS-LIG-SAT-1GAL	[UPC PENDING]
5 gal Satin	DC-ACS-LIG-SAT-5GAL	[UPC PENDING]