

PerformaSil® | 200

ANTI-GRAFFITI COATING

FEATURES & BENEFITS

- One-component silicone water-based elastomer
- Ultra-low VOCs
- Does not yellow, chalk, or fade
- Long-term non-sacrificial graffiti resistance
- Easy removal of spray paints, markers, and pens
- Long-term durable waterproofing
- Breathable film protects against water infiltration

COMPOSITION

- 45 wt% polydimethylsiloxane rubber dispersion

APPLICATIONS

- Airless spray application
- Concrete, brick, and masonry
- EIFS and cement plaster
- Previously painted surfaces
- Aggregate panels
- Stucco
- Metal
- Stone

PRODUCT NAME

PerformaSil® 200
Anti-Graffiti Coating

PRODUCT CODE

PA Standard & Custom Colors

MANUFACTURER

ICD High Performance
Coatings + Chemistries
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TYPICAL PROPERTIES*

* These values provide general information and are not necessarily part of the product specification

<i>Property</i>	<i>Value</i>	<i>Unit of measure</i>	<i>Test Method</i>
Non-Volatile Content	45 – 48	%	ASTM D2369
Volatile Organic Content	<25	g/L	EPA Method 24
Viscosity	20000	cPs	ASTM D2196
pH	11		ASTM E70
Density	8.7	lb/Gal	ASTM D1475
As Cured			
Tensile strength	500	PSI	ASTM D412
Elongation	500	%	ASTM D412
Durometer	45	Shore A	ASTM D2240
Water Vapor Permeance	20	US Perm	ASTM E96
Water Vapor Transmission	5.8	g/(h·m ²)	ASTM E96
Air Permeance	<0.0002	cfm/ft ²	ASTM E2178
Wind Driven Rain	Pass – 98.1 MPH		RILEM No. 11.4
Accelerated Weathering	No blistering, chalking, gloss, or color changes	10,000 hours	ASTM G154
Low Temperature Flex	No change in tensile strength or elongation	Tested to -60°C (-76°F)	ASTM D412
Graffiti Removal	Cleanability 1	Graffiti completely removed with high-pressure cold-water wash	ASTM D7089
Graffiti Removal	Cleanability 8 (Isopropyl alcohol)	Polyurethane spray paint	ASTM D6578
Graffiti Removal	Cleanability 8 (Isopropyl alcohol)	Acrylic spray paint	ASTM D6578
Graffiti Removal	Cleanability 8 (Isopropyl alcohol)	Alkyd spray paint	ASTM D6578
Graffiti Removal	Cleanability 7 (MEK)	Ballpoint pen	ASTM D6578
Graffiti Removal	Cleanability 9 (detergent)	Water-based marker	ASTM D6578

DESCRIPTION

PerformaSil® 200 Anti-Graffiti Coating is a single component, water-based silicone elastomer that dries to form a tough, durable film which provides long-lasting graffiti and water protection.

It cures to form a breathable membrane that is impervious to liquid water but allows moisture vapor to escape from inside the substrate and protects surfaces from most graffiti tagging. Graffiti is easily removed with a power washer, scrub brush, or commercial graffiti cleaners.

Contact ICD Technical Services to learn about the 30-day single-component compatible material testing.

SURFACE PREPARATION & APPLICATION

Prior to application all surfaces shall be structurally sound, clean, and dry, free from oils, dirt, debris, or minerals such as efflorescence, lime, and calcium. To ensure the surface is as clean as possible, wash with soap and water, rinse thoroughly, then allow to dry completely. This is especially important when applying over painted or stained surfaces.

Mix thoroughly before application. Avoid aggressive agitation that may produce excessive air generation or foaming.

Apply using airless spray equipment at a rate of approximately 75 sq ft per gallon (20 mils WFT), using a 0.015 to 0.017 tip. When spraying, apply in a cross hatched pattern to ensure complete coverage of the surface. Rough and/or porous surfaces may require a heavier application to ensure complete coverage.

For maximum graffiti protection, apply the coating in two (2) coats at a rate of approximately 150 sq ft per gallon (10 mils WFT) per coat. Allow the coating to dry to the touch (2-3 hours) before applying a second coat.

Clean equipment with soap and water when finished.

Application Temperature: 5°C - 38°C (40°F - 100°F)

Relative Humidity: 90% maximum

Graffiti resistance and weather protection is fully developed after a cure time of 7-14 days.

Test the product on a small area to ensure finish is satisfactory.

GRAFFITI REMOVAL

Remove graffiti with a power washer (maximum 2000 psi) and cold water. For difficult removal, use warm to hot water while power washing.

For delicate surfaces, use a soft bristle brush, soap, and water. Gently scrub the area until the tagging is removed. Rinse the surface with water afterwards.

For more difficult graffiti, a commercially available graffiti cleaner may be required. Follow the manufacturer's recommendations and use instructions.

STANDARD COLORS

PA0-0007DM	Primary White DM
PA0-0008DM	Light White DM
PA0-0009DM	Cream DM
PA0-0010DM	Bone White DM
PA1-0001DM	Black DM
PA3-0006DM	Light Gray DM
PA3-0007DM	Neutral Gray DM
PA3-0008DM	Warm Gray DM
PA3-0009DM	Medium Gray DM
PA4-0007DM	Light Ivory DM
PA4-0008DM	Ivory DM
PA4-0009DM	Tan DM
PA4-0010DM	Clay DM
PA4-0011DM	Dark Brown DM
PA5-0001DM	Brick Red DM
PA6-0001DM	Steel Blue DM

Available upon request:

- PA12-0001 Clear
- Custom Colors

PRECAUTIONS

PRODUCT SAFETY INFORMATION REQUIRED FOR SAFE USE IS NOT INCLUDED IN THIS DOCUMENT. BEFORE HANDLING, READ PRODUCT AND SAFETY DATA SHEETS AND CONTAINER LABELS FOR SAFE USE, PHYSICAL AND HEALTH HAZARD INFORMATION.

Use material in a well-ventilated area. Protect all other areas not to be coated from overspray.

PermaSil® 200 Anti-Graffiti Coating should not be applied:

- When there is a threat of rain within the next 48 hours, or the relative humidity is in excess of 90% (such conditions would not permit complete drying)
- In temperatures below 5°C (40°F) or above 38°C (100°F)
- On asphaltic materials, or on tar-contaminated masonry
- On newly applied or green cementitious materials – industry guidelines recommend at least 28 days cure before painting or coating such substrates

STORAGE

Product should be stored between 5°C and 35°C (41°F and 95°F). Container lids must be securely fastened at all times during storage. Protect material from freezing.

SHELF LIFE

PermaSil® 200 Anti-Graffiti Coating has a shelf life of 2 years from date of receipt at customer, provided the material is stored in sealed original containers at the recommended storage temperatures.

The manner in which you use and the purpose to which you put and utilize ICD High Performance Coatings + Chemistries products, technical assistance and information (whether verbal, written or by way of production evaluations), including any suggested formulations and recommendations, are beyond ICD's control. Therefore, it is imperative that you test ICD's products, technical assistance and information to determine your own satisfaction whether ICD's products, technical assistance and information are suitable for your intended uses and applications. This application-specific analysis must at least include testing to determine suitability from a technical as well as health, safety, and environmental standpoint. Such testing has not necessarily been conducted by ICD. Unless ICD otherwise agrees in writing, all products are sold strictly pursuant to the terms of our standard conditions of sale which are available upon request. All information and technical assistance is given without warranty or guarantee and is subject to change without notice. It is expressly understood and agreed that you assume and hereby expressly release ICD from all liability, in tort, contract or otherwise, incurred in connection with the use of ICD's products, technical assistance, and information. Any statement or recommendation not contained herein is unauthorized and shall not bind ICD. Nothing herein shall be construed as a recommendation to use any product in conflict with any claim of any patent relative to any material or its use. No license is implied or in fact granted under the claims of any patent.

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