

# PerformaSil® | 300

WATER-BASED SILICONE ROOF COATING

## FEATURES & BENEFITS

- One-component silicone water-based elastomer
- Ultra-low VOCs
- Outstanding weather resistance
- High tensile strength and elongation
- Resists ponding water
- Resists mold and mildew growth
- Superior dirt pick-up resistance

## COMPOSITION

- 60 wt% pigmented polydimethylsiloxane rubber dispersion

## APPLICATIONS

- Elastomeric Roof Coatings

## TYPICAL PROPERTIES\*

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

<b>Property</b>	<b>Value</b>	<b>Unit of measure</b>	<b>Test Method</b>
<b>Appearance</b>	White liquid		
<b>Specific Gravity</b>	1.01		
<b>pH</b>	10 - 11		
<b>Viscosity</b>	25000 – 30000	cPs	ASTM D2196
<b>Non-Volatile Content</b>	60	%	ASTM D2369
<b>Volatile Organic Content</b>	<50	g/L	EPA Method 24
<b>Tensile strength</b>	700	PSI	ASTM D412
<b>Elongation</b>	700	%	ASTM D412
<b>Tear Strength</b>	100	LbF/in	ASTM D624
<b>Water Swell</b>	1	%	ASTM D471
<b>Water Vapor Permeance</b>	17	US Perm	ASTM E96
<b>Flame Spread</b>	Class A		ASTM E108
<b>Solar Reflectance</b>	0.87		ASTM C1549
<b>Thermal Emittance</b>	0.91		ASTM C1371

**PRODUCT NAME**  
PerformaSil® 300  
Water-Based Silicone  
Roof Coating

**PRODUCT CODE**  
PR0-0001 White

**MANUFACTURER**  
ICD High Performance  
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## DESCRIPTION

PerformaSil® 300 Water-Based Silicone Roof Coating is an elastomeric silicone coating that provides protection against harsh weather elements, UV degradation, and ponding water issues. It provides a flexible seal that resists lateral movements of roofing structures due to thermal expansion and contractions of the roofing structure. It repels physical water while being very permeable to water vapor allowing the structure to “breathe.” Suitable for a variety of roofing substrates. Easy water clean-up – no solvents required for tool clean-up or overspray. Can be sprayed or roller applied.

The physical properties, compared to most conventional solvent-based or high solids silicone coatings, provide superior resistance to mechanical damage.

PerformaSil® 300 Water-Based Silicone Roof Coating provides all the benefits of a silicone coating but in a water-based form. PerformaSil® 300 will attain full adhesion and physical properties in 7 to 14 days depending on environmental conditions.

As with any product, the use of PerformaSil® 300 in any given application must be tested (including but not limited to field testing) in advance by the user to determine suitability.

## APPLICATION

**SUBSTRATE PREPARATION:** Roof must be clean and dry with no trapped moisture. Repair damaged membrane, flashings, and penetrations. Conduct test patches to verify adhesion of coating prior to start of work. Priming of substrate may be required.

**MIXING:** Mix uniformly for 5 minutes prior to use. Some settling of material may have occurred during shipment and storage. Take care not to incorporate air into the product.

**APPLICATION:** Apply by brush, roller, or airless sprayer evenly. Do not apply more than 1.5 gallons per 100 ft<sup>2</sup> in a single coat. Apply additional coats perpendicular to the previous coat once it is dry enough to walk on.

**APPLICATION TEMPERATURE:** 50° - 100°F (10° - 38°C). Cool temperatures / high humidity may slow curing. Do not apply if rain, heavy moisture, or freezing temperatures are in the 24-hour forecast to ensure proper cure.

## HANDLING 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.

## STORAGE

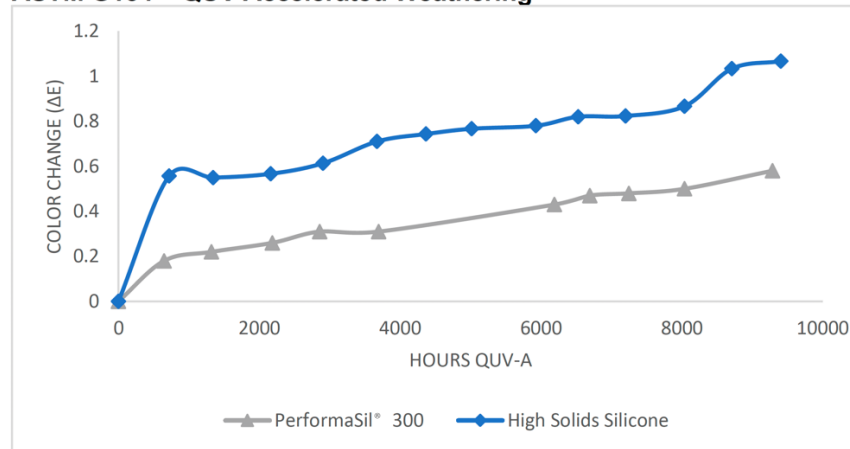
Product should be stored between 41° - 95°F (5° - 35°C). Container lids must be securely fastened at all times during storage. Protect material from freezing.

## SHELF LIFE

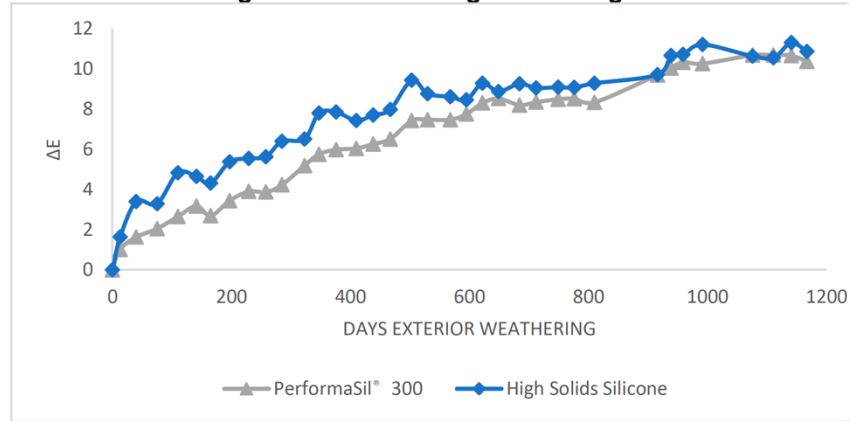
PerformaSil® 300 Water-Based Silicone Roof Coating has a shelf life of 2 years from date of receipt at customer, provided the material is stored in sealed original containers at the recommended storage temperature.

## TEST DATA

### ASTM G154 – QUV Accelerated Weathering



### Exterior Weathering - 45° South Facing in Washington State



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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