

FEATURES & BENEFITS

- Wet look sealer
- Long-term durable waterproofing
- Breathable system
- Excellent resistance to chloride ion ingress
- Mitigation of AAR & ASR deterioration
- Controls efflorescence on concrete, brick, masonry, and stucco surfaces

COMPOSITION

- One-component, water-based polysiloxane sealer

APPLICATIONS

- Concrete, brick, and masonry
- EIFS and Stucco

PRODUCT NAME

PerformaSil® 420
Semi-Penetrating Sealer

PRODUCT CODE

PW12-0002

MANUFACTURER

ICD High Performance
Coatings + Chemistries
7350 S Union Ridge Parkway
Ridgefield, WA 98642
Phone: +1 (360) 546-2286
Fax: +1 (360) 546-2287
Email: icd@icdcoatings.com

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>
Volatile Organic Content	<25	g/L	EPA Method 24
pH	11		ASTM E70
Density	8.5	lb/Gal	ASTM D1475
As Cured			
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

DESCRIPTION

PerformaSil® 420 Semi-Penetrating Sealer is a single component, water-based polysiloxane coating that penetrates into porous mineral surfaces to provide long-lasting water protection withstanding hurricane-force, wind-driven rain; normal movement imposed by seasonal thermal contraction and expansion; ultraviolet (UV) radiation; and the elements. Liquid water is repelled, but the natural vapor transmission of the masonry is unaffected, allowing the surface to breathe.

PerformaSil® 420 provides durable protection, superior color enhancement, and a satin “wet look” appearance.

COVERAGE

Apply one coat at:
160 sq. ft. per gallon
Rough and/or porous surfaces may require a heavier application to ensure complete coverage

DRYING TIME

Touch: 1 - 3 Hour @ 77°F (25°C), 50% RH
Drying times are temperature, humidity, and film thickness dependent

APPLICATION

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

Apply at temperatures above 40°F (5°C). Do not thin.

Apply enough product so that it runs down the wall approximately 6-12 inches below the point of application. Wipe up any drips and runs before they dry. Multiple coats may be applied if necessary.

Roller:

Use a high-quality polyester roller cover with a 3/8" - 3/4" nap.

When rolling, take care to ensure enough product is applied. Spray application is generally recommended instead

Spray – Airless or Garden Sprayer:

Cleanup:

Clean spills, spatters, hands, and tools immediately after use with soap and clean water.

SURFACE PREPARATION

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 a degreaser such as phosphate-free TSP, rinse thoroughly, then allow to dry completely.

Masonry, Concrete, Cement, Block:

All new surfaces must be cured according to the supplier's recommendations – usually about 30 days. Remove all form release and curing agents.

Mildew:

Prior to attempting to remove mildew, it is always recommended to test any cleaner on a small, inconspicuous area prior to use. Bleach and bleaching type cleaners may damage or discolor existing paint films. Bleach alternative cleaning solutions may be advised.

Mildew may generally be removed before painting by washing with a solution of 1 part liquid bleach and 3 parts clean water. Apply the solution and scrub the mildewed area. Allow the solution to remain on the surface for 10 minutes. Rinse thoroughly with clean water and allow the surface to dry before painting. Follow manufacturer's handling and safety precautions for any cleaners used.

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.

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

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

Not intended for below-grade waterproofing. Will leave a residue on nonporous materials such as glass, metal and painted surfaces. Shrubbery and plant life should be protected from overspray

PerformaSil® 420 Semi-Penetrating Sealer should not be applied:

- When there is a threat of rain within the next 24 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
- On painted surfaces

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

PerformaSil® 420 Semi-Penetrating Sealer 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.

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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