



PRIME-A-PELL® N.S. SERIES 663

PRODUCT PROFILE

GENERIC DESCRIPTION

Modified Siloxane with Diffused Quartz Carbide

COMMON USAGE

Prime-A-Pell N.S. (natural stone) is a clear, filmless, penetrating water repellent for virtually all above-grade, vertical concrete and block and brick masonry and vertical and horizontal installations of natural stone. Concrete, natural stone and masonry treated with Prime-A-Pell N.S. resist water intrusion, stain damage, freeze/thaw spalling, efflorescence and rust damage. The treatment does not alter the color or texture of the surface, nor significantly affect the vapor transmission qualities of the substrate. The solution penetrates the substrate and chemically reacts to create a powerful barrier against water penetration. This barrier is resistant to ultraviolet and weather deterioration.

COLORS

Prime-A-Pell N.S. is a clear liquid when applied but dries clear, leaving the aesthetic appearance of the substrate unchanged.

PERFORMANCE CRITERIA

Contact your Tnemec representative for specific test results.

LIMITATIONS

Prime-A-Pell N.S. is not formulated for use on below-grade surfaces. It is not intended to seal visible cracks or as a substitute for repointing defective mortar joints. A water repellent may not be able to completely resist wind-driven rain on all substrates; two or more applications, applied wet-on-wet, may be required for adequate performance. The substrate should not be acid washed **after** application. Prime-A-Pell N.S. may have limited efficacy on some calcareous masonry such as limestones, marbles and travertines. The product is not appropriate for application to polished surfaces. Prime-A-Pell N.S. must penetrate into and react with the substrate for effective repellency, therefore, it is not suitable for many painted surfaces.

COATING SYSTEM

TOPCOATS

If color is desired, apply Series 607 Conformal Stain.

SURFACE PREPARATION

ALL SURFACES

The surface to be treated must be sound, dry and free of cracks, dirt, oils, efflorescence, paint, curing compounds and all other contaminants, which may affect the penetration of Prime-A-Pell N.S. Fill all cracks, voids and repoint mortar joints if necessary. New concrete and mortar must be allowed to cure a minimum of twenty-eight (28) days before treatment.

Shield glass, wood and other surfaces that are not intended to be treated from overspray. Any overspray should be removed immediately with paint thinner or mineral spirits. Also protect asphaltic and painted surfaces, trees, shrubs and other landscaping from overspray.

TECHNICAL DATA

CURING TIME

Protect treated surfaces from rain and lawn sprinklers for 6 to 8 hours. (Time to resist moisture is increased at lower temperatures.) Allow 7 days before evaluating performance.

VOLATILE ORGANIC COMPOUNDS

6.1 lbs/gallon (727 grams/litre)

ACTIVE INGREDIENT

Oligomeric Alkylalkoxy Siloxane/Diffused Quartz Carbide

ACTIVE CONTENT

7%

PACKAGING

1 gallon (3.79 L) cans, 5 gallon (18.96 L) pails, 55 gallon (208.2 L) drums

NET WEIGHT PER GALLON

6.49 ± 0.10 lb/gallon (777 g/L)

STORAGE TEMPERATURE

Minimum 35°F (2°C) Maximum 100°F (38°C)

SHELF LIFE

24 months at recommended storage temperature.

FLASH POINT - SETA

100°F (38°C)

HEALTH & SAFETY

Paint and related products contain chemical ingredients which are considered hazardous. Read container label warning and Material Safety Data Sheet for important health and safety information prior to use of this product.
Keep out of the reach of children.

Use only in well-ventilated or open areas. Special precautions should be taken to avoid vapor transmission (fumes) from entering the building being treated. Ventilation systems and fresh air intakes should be turned off and closed. All direct routes of vapor ingress such as windows and doors must be secure. Notify occupants of the building prior to application, as vapors may be irritating.

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APPLICATION

COVERAGE RATES

Coverage rates are guidelines and will vary depending upon the texture of the surface and porosity of the substrate.

Substrate	Sq. Ft./Gal.	m ² /litre
CMU (porous)	50-75	1.2-1.8
CMU (normal)	75-125	1.8-3.1
Fired Clay Brick (porous)	125-150	3.1-3.7
Fired Clay Brick (dense)	200-250	4.9-6.1
Fired Clay Pavers	125-250	3.1-6.1
Sandstone	65-150	1.6-3.7
Granite (unpolished)	150-250	3.7-6.1
Slate	200-300	2.5-7.4

A test application **must** be performed to determine the exact coverage rate, desired performance and compatibility of Prime-A-Pell N.S. and the substrate before beginning a job.

**MIXING
THINNING
APPLICATION EQUIPMENT**

Mix well prior to application.

Do not dilute or thin. Prime-A-Pell N.S. must be used as supplied by the manufacturer.

Apply using a low-pressure rotary or gear pump sprayer with a fan tip (0.03-0.06 orifice) that allows for application of the product at 20-30 psi. A commercial grade pump-up spray tank equipped with a fan tip is also acceptable. Airless paint sprayers are not acceptable for the application of water repellents. Do not atomize the product.

On vertical installations, apply with a wet-on-wet technique. Apply a saturating application of the product working from the bottom up. On porous substrates such as concrete masonry units, allow a slight rundown (less than three inches). On high density material such as precast concrete panels or GFRC, do not allow any rundown. On all substrates allow the product to penetrate the substrate for approximately 5 to 7 minutes, then apply again in the same manner. This second pass will require less material. Follow coverage rate guidelines, however, a test application should always be performed.

On horizontal installations, apply in a single, saturation application. Apply enough material for the surface to remain wet for 2 to 3 minutes before absorbing into the substrate. Do not allow puddles to remain on surface; any areas of ponding should be dispersed with a broom.

**SURFACE TEMPERATURE
MAINTENANCE
CLEANUP**

Minimum 45°F (7°C) Maximum 95°F (35°C)

None required. Reapply after Prime-A-Pell N.S. no longer repels water or offers desired protection. Life expectancy is dependent upon substrate condition and quality of application.

Clean equipment after use with paint thinner or mineral spirits.

WARRANTY & LIMITATION OF SELLER'S LIABILITY: Chemprobe will provide a warranty application, prior to product installation, upon request. Chemprobe stands behind the performance claims of its products when used in accordance with their design intentions and application instruction. Coverage rates are critical for long life expectancy. Rates must be within the noted ranges on the Coverage Rate Table for a warranty to be valid. Chemprobe under all warranties, expressed or implied, shall be limited to the refund of purchase price or replacement of product, determined at Chemprobe's sole discretion. CHEMPROBE'S WRITTEN WARRANTY IS IN LIEU OF ANY WARRANTY, EXPRESSED OR IMPLIED, INCLUDING WARRANTIES OF MERCHANTABILITY OR FITNESS. A copy of the Chemprobe Warranty, with a valid Warranty number must accompany any warranty claim. A Division of Tnemec Co., Inc.