



PRODUCT PROFILE

GENERIC DESCRIPTION	Siloxane/Silane Blend
COMMON USAGE	Prime-A-Pell H ₂ O is a clear, filmless, penetrating water-based water repellent for virtually all above-grade, vertical concrete, stucco, precast, brick, sandstone and block masonry. Concrete, stone and masonry treated with diluted Prime-A-Pell H ₂ O 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 water deterioration.
COLORS	Clear. Prime-A-Pell H ₂ O is milky-white 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 H ₂ O is not formulated for use on horizontal or 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 H ₂ O may have limited efficacy on calcareous masonry such as limestones, marbles and travertines. The product is not appropriate for application to polished stone. Prime-A-Pell H ₂ O must penetrate into and react with the substrate for effective repellency, therefore, it is not suitable for painted surfaces.

COATING SYSTEM

TOPCOATS	If color is desired, apply Series 617 Conformal Stain WB within 12 to 36 hours after application of Series 633. Application of Series 617 outside of this time frame may compromise water-repellency and/or adhesion properties.
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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 H ₂ O. 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. Protect plants, shrubs and glass from overspray. Should incidental contact occur with surfaces not intended for treatment, remove overspray immediately with mild soap and water. Do not allow soap solution to contact the surface being treated.
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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 to 14 days before evaluating performance.
VOLATILE ORGANIC COMPOUNDS	EPA Method 24: 0.16 lbs/gallon (19 grams/litre)
ACTIVE INGREDIENT	Oligomeric Alkylalkoxy Siloxane/Alkylalkoxy Silane
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	8.31 ± 0.10 lb/gal (996 g/L)
STORAGE TEMPERATURE	Minimum 35°F (2°C) Maximum 100°F (38°C) KEEP THIS PRODUCT FROM FREEZING.
SHELF LIFE	12 months at recommended storage temperature.
FLASH POINT - SETA	>212°F (100°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 the use of this product. Keep out of the reach of children.

PRIME-A-PELL® H₂O | SERIES 633

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)	100 - 125	2.5 - 3.1
Stucco	100 - 125	2.5 - 3.1
Precast	200 - 300	4.9 - 7.4
Concrete Panels	200 - 300	4.9 - 7.4
GFRG	200 - 350	4.9 - 8.6
Cast Stone	100 - 125	2.5 - 3.1
Fired Clay Brick (porous)	125 - 150	3.1 - 3.7
Fired Clay Brick (dense)	200 - 250	4.9 - 6.1
Sandstone	65 - 150	1.6 - 3.7
Granite (unpolished)	300 - 400	7.4 - 9.8
Slate	300 - 400	7.4 - 9.8

A test application **must** be performed to determine the exact coverage rate, desired performance and compatibility of Prime-A-Pell H₂O and the substrate before beginning a job.

MIXING

Mix well prior to application.

THINNING

Do not dilute or thin. Prime-A-Pell H₂O must be used as supplied by the manufacturer.

APPLICATION EQUIPMENT

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 materials such as precast concrete panels or GFRG, 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

Minimum 45°F (7°C) Maximum 90°F (32°C)

MAINTENANCE

None required. Reapply after Prime-A-Pell H₂O no longer repels water or offers desired protection. Life expectancy is dependent upon substrate condition and quality of application.

CLEANUP

Clean equipment after use with water and mild detergent.

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.