



PRODUCT PROFILE

GENERIC DESCRIPTION	Silane/Siloxane Blend
COMMON USAGE	Concrete, stone and masonry treated with Dur A Pell 20 resist water and chloride ion intrusion, stain damage, freeze/thaw spalling, efflorescence and rust damage.
PRODUCT DISTRIBUTION	Dur-A-Pell 20 is a clear, filmless, penetrating water repellent for virtually all above-grade, vertical and horizontal concrete, stucco, block and brick masonry and natural stone. 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	Dur A Pell 20 is milky-white when applied, dries invisible, leaving the aesthetic appearance of the substrate unchanged.
PERFORMANCE CRITERIA	Contact your Chemprobe/Tnemec representative for specific test results.
LIMITATIONS	Dur A Pell 20 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. Dur A Pell 20 may have limited efficacy on calcareous masonry such as limestones, marbles and travertines. This product is not appropriate for application to polished stone. Dur A Pell 20 must penetrate into and react with the substrate for effective repellency, therefore, it is not suitable for painted surfaces. If both color and water repellency are desired, use Chemprobe's Conformal Stain WB (Series 617) in conjunction with Dur A Pell 20.

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 Dur A Pell 20. 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. Surface and air temperature must be between 45°F (7°C) and 90°F (32°C). Dur A Pell 20's effectiveness is related to cure time, which is increased at temperatures below 65°F (18°C). Protect treated surfaces from pedestrian and vehicular traffic for at least 8 hours, from rain and lawn sprinklers for 6 to 8 hours. Allow 7 to 14 days before evaluating performance. 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

VOLATILE ORGANIC COMPOUNDS	2.0 lbs/gallon (245 grams/litre)
SOLUBILITY IN WATER	Soluble
ACTIVE INGREDIENT	Oligomeric Alkylalkoxy Silane/Alkylalkoxy Siloxane
ACTIVE CONTENT	20%
APPEARANCE	Milky white liquid
PACKAGING	1 gallon (3.79 L) cans, 5 gallon (18.96 L) pails, 55 gallon (208.2 L) drums
NET WEIGHT PER GALLON	8.26 ± 0.10 lb/gal (990 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.

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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
Concrete	125 - 250	3.1 - 6.1
CMU (porous)	50 - 75	1.2 - 1.8
CMU (normal)	75 - 125	1.8 - 3.1
Concrete Pavers	125 - 250	3.1 - 6.1
Fired Clay Brick (porous)	100 - 150	2.5 - 3.7
Fired Clay Pavers	150 - 300	3.7 - 7.4
Slate	250 - 400	6.1 - 9.8
Sandstone	65 - 150	1.6 - 3.7

A test application **must** be performed to determine the exact coverage rate, desired performance and compatibility of Dur A Pell 20 and the substrate before beginning a job.

THINNING APPLICATION EQUIPMENT

Do not dilute or thin. Dur A Pell 20 must be used as supplied by the manufacturer.

Mix well prior to application. 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 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 broomed out.

MAINTENANCE

None required. Reapply after Dur A Pell 20 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.