



# DUR A PELL 20 SERIES 636

## PRODUCT PROFILE

**GENERIC DESCRIPTION** Silane/Siloxane Blend

**COMMON USAGE** 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. 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. 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** Clear. Dur A Pell 20 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** 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.

## COATING SYSTEM

**TOPCOATS** If color is desired, apply Series 617 Conformal Stain WB within 12 to 36 hours after application of Series 636. Application of Series 617 outside of this time frame may compromise water-repellency and/or adhesion properties.

## 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. 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 surfaces being treated.

## TECHNICAL DATA

**CURING TIME** Protect treated surfaces from pedestrian and vehicular traffic for at least 8 hours, 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** 2.0 lbs/gallon (245 grams/litre)

**ACTIVE INGREDIENT** Oligomeric Alkylalkoxy Silane/Alkylalkoxy Siloxane

**ACTIVE CONTENT** 20%

**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.**

# DUR A PELL 20 | SERIES 636

## 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 <sup>2</sup> /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.

### MIXING

**Mix well** prior to application.

### THINNING

**Do not dilute or thin.** Dur A Pell 20 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 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

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

### 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.