



PRODUCT PROFILE

GENERIC DESCRIPTION 100% Acrylic Polymer

COMMON USAGE Phylon WB is a non-yellowing, water-based, acrylic coating that highlights the natural color of masonry by providing a clear, gloss sheen. Its special formulation provides a hard, durable gloss finish. The treatment does not alter the natural texture of the surface, nor significantly affect the vapor transmission qualities of the substrate. Phylon WB provides a durable, wet-look finish to exposed aggregate, ground-face block, sandblasted concrete and many other vertical concrete, masonry and natural stone surfaces.

COLORS Semi-transparent white when applied. Dries to a clear, gloss finish.

PERFORMANCE CRITERIA Contact your Tnemec representative for specific results.

LIMITATIONS Phylon WB is not formulated for use on smooth-troweled horizontal or below-grade surfaces. It is not intended to seal visible cracks or as a substitute for repointing defective mortar joints. Phylon WB must not be applied to damp or wet surfaces and is not intended to provide water-repellency on CMU and other porous substrates. These substrates must first be treated with Prime-A-Pell H₂O if water-repellency is desired. When a high gloss appearance is desired on porous substrates, two or more applications may be necessary. Phylon WB is not designed for use on garage floors or smooth concrete surfaces. Do not use below grade or on a horizontal surface that may be subjected to hydrostatic pressure.

COATING SYSTEM

WATER REPELLENT PRETREATMENT Series 621 is to be applied in conjunction with Series 633 or 635 water repellent. Allow the water-repellent pretreatment to cure between 12 and 36 hours before applying Series 621. Application of Series 621 outside of this time frame may compromise water-repellency and/or adhesion properties.

SURFACE PREPARATION

CONCRETE Allow new concrete to cure seven (7) days. New, smooth concrete should be scarified or acid etched prior to application. Verify dryness by testing for moisture with a "plastic film tape-down test" (Reference ASTM D 4263). Should moisture be detected, perform "Standard Test Method for Measuring Moisture Vapor Emission Rate of Concrete Subfloor Using Anhydrous Calcium Chloride" (Reference ASTM F 1869). Moisture content not to exceed three pounds per 1,000 sq ft in a 24 hour period. Abrasive blast, shot-blast or mechanically abrade to remove laitance, form release agents, curing compounds, sealers and other contaminants and to provide surface profile. Large voids, bugholes and other cavities should be filled with recommended filler or surfacer (Reference SSPC-SP13, ICRI CSP3). Smooth or non-porous type cementitious substrates should be acid washed with a 1:3 muriatic acid/water mixture per gallon solution. Spread solution evenly over the surface for approximately 10 to 15 minutes. Rinse with clean water and allow to dry 24 to 48 hours. Previously painted substrates should be clean, dry and sound. Remove any loose, scaling, chalked, cracked or peeling paint by hand scraping, sanding, wire brushing or power tool cleaning.

PREVIOUSLY COATED SURFACES A test patch is required prior to application on previously coated surfaces. Reference the latest version of Technical Bulletin 98-10.

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 performance of Phylon WB. Fill all cracks, voids and repoint mortar joints if necessary. New concrete and mortar must be allowed to cure a minimum of seven (7) 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 mild detergent and water. Also protect asphaltic surfaces, trees, shrubs and other landscaping from overspray.

TECHNICAL DATA

VOLUME SOLIDS 30 ± 2.0%

CURING TIME Series 621 is fully cured for light traffic bearing within 72 hours at 75°F (24°C). Application at temperatures below 50°F (10°C) may reduce coverage rates and inhibit curing. Protect treated surfaces from rain and lawn sprinklers for 72 hours.

VOLATILE ORGANIC COMPOUNDS 1.4 lbs/gallon (132 grams/litre)

ACTIVE INGREDIENT 100% Acrylic Polymer

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

NET WEIGHT PER GALLON 8.54 ± 0.10 lb/gal (1028 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 use of this product.
Keep out of the reach of children.

PHYLON® WB | SERIES 621

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)	75 - 100	1.8 - 2.5
CMU (normal)	100 - 125	2.5 - 3.1
Concrete	125 - 200	2.5 - 4.9
Stucco	100 - 125	2.5 - 3.1
Precast	125 - 150	2.5 - 3.7
Porous Concrete	250 - 300	6.1 - 7.4
Fired Clay Brick	125 - 150	2.5 - 3.7

A test application **must** be performed to determine the exact coverage rate to achieve desired performance characteristics and aesthetic appearance before beginning a job.

THINNING

Do not dilute or thin. Phylon WB must be used as supplied by the manufacturer.

APPLICATION EQUIPMENT

Phylon WB may be easily applied with a quality brush, roller or airless spray equipment. For best results, it is recommended to apply with a brush and/or roller. Apply in sections only. When applying by brush, apply thin and even coats on small surface areas, such as painting step areas, or cutting-in larger surface areas. When applying by roller, use a minimum 1/4" to 3/8" short nap roller cover. Wet the roller thoroughly with water and squeege-off excess water. Saturate roller with coating material, roll-off excess, and apply in thin and even coats. Roll out coating slowly to prevent foaming, and use light pressure on roller to prevent roller from sliding or mopping the surface. Avoid any excessive respreading or reworking. Always maintain a wet edge during application by brushing/rolling into previously coated surface area. When applying by airless sprayer, it is recommended to use a unit with a minimum of 2000 psi of pressure with a 0.011-0.015 fluid spray tip. During spray application, the surface area should be back-rolled to ensure an even coat application and proper adhesion. Avoid paint application outside when weather conditions are threatening, or late in the afternoon when there is a threat of moisture condensing on wet paint. Apply when surface and ambient temperatures are above 55°F and below 90°F.

SURFACE TEMPERATURE

Minimum 50°F (10°C) Maximum 120°F (49°C)
Do not apply if relative humidity is greater than 90%. Do not apply in direct sunlight when air temperature exceeds 90°F (32°C).

MAINTENANCE

None required. Life expectancy is dependent upon substrate condition, quality of application and surface use. Reapply when deemed necessary to a clean, sound substrate.

CLEANUP

Clean equipment after use with mild detergent and water.

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.