



PHYLON SERIES 624

PRODUCT PROFILE

- GENERIC DESCRIPTION** Acrylic Copolymer Blend
- COMMON USAGE** Phylon 624 is a unique acrylic copolymer, formulated to meet VOC requirements for curing compounds. Phylon 624 is a non-yellowing curing, sealing, hardening, dust proofing and water repellent compound that exhibits a tough, chemical resistant, long lasting, glossy film. Phylon 624 is designed for use on exterior and interior slabs as well as above grade architectural concrete.
- COLORS** Clear. Dries to a clear, glossy finish.
- PERFORMANCE CRITERIA** Contact your Chemprobe/Tnemec representative for specific test results.

COATING SYSTEM

- SYSTEM** Phylon Series 624 effectively repels water from dense surfaces such as precast panels and may be used in conjunction with solvent-based Prime-A-Pell or Dur A Pell on vertical surfaces to achieve water repellency on porous surfaces.

SURFACE PREPARATION

SEALING, HARDENING, DUSTPROOFING & WATER REPELLENT

When using this product to seal, harden, dustproof or provide water repellency to concrete and masonry substrates, allow new concrete and mortar to cure 28 days. Verify dryness by testing for moisture with a "plastic film tape-down test" (Reference ASTM D 4263). Should moisture be detected on a horizontal surface, perform "Standard Test Method for Measuring Moisture Vapor Emission Rate of Concrete Subfloor Using Anhydrous Calcium Chloride" (Reference ASTM 1869). Moisture content not to exceed three pounds per 1,000 sq. ft. in a 24-hour period. Existing horizontal installations should be pressure washed to remove any water-soluble contaminants, loose or broken cement paste and aggregate. Following pressure washing, the surfaces should readily absorb water and show no signs of water beading.

Large voids, and other cavities should be filled with recommended filler or surfacer. Fill all cracks and re-point mortar joints if necessary. All surfaces to be treated must be sound, dry and free of dirt, oils, efflorescence, paint, curing compounds and all other contaminants, which may affect the performance of Phylon 624.

Surfaces and air temperature must be between 40°F and 120°F. Do not apply in direct sunlight when air temperature exceeds 90°F. Application at temperatures below 40°F. may reduce coverage rates and inhibit curing.

Protect treated surfaces from rain and lawn sprinklers for 72 hours. Protect glass, wood and other surfaces that are not intended to be treated from overspray. Any overspray should be removed immediately with lacquer thinner or toluene. Protect asphaltic surfaces, trees, shrubs and other landscaping from overspray.

CURING NEW CONCRETE

When using this product to cure new concrete apply as soon as possible after the concrete has received final finishing, just as water sheen disappears and the concrete is hard enough to walk on. If application is delayed concrete must be kept wet (preferably by water spray mist) before application. Apply the first coat at 300-400 sq. ft./gal (7.5-10m²/L) A second coat is recommended for long-term durability.

SECOND COAT: After application of the first coat, a second coat may be applied, typically, when the surface has dried through or 24 hours after the application of the first coat. Material will dry in less than 2 hours at 72°F. Apply the second coat at 500-600 sq. ft./gal. (12.5-15m²/L).

TECHNICAL DATA

VOLUME SOLIDS 33.0 ± 2.0%

CURING TIME

Temperature	Foot Traffic	Light Traffic	To Place in Service
75°F (24°C)	2-4 hours	6-8 hours	36 hours

VOLATILE ORGANIC COMPOUNDS

Unthinned: 2.96 lbs/gallon (354 grams/litre)

THEORETICAL COVERAGE

610 mil sq ft/gal (m²/L at microns). See APPLICATION for coverage rates.

NUMBER OF COMPONENTS

One

PACKAGING

5 gallon (18.96 L) pails and 55 gallon (208.2 L) drums

NET WEIGHT PER GALLON

7.40 ± 0.25 lbs (3.36 ± .11 kg)

STORAGE TEMPERATURE

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

SHELF LIFE

24 months at recommended storage temperature.

FLASH POINT - SETA

-4°F (-20°C)

HEALTH & SAFETY

Paint 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. Use only in well-ventilated or open areas. Use of respirators is mandatory when using this product in confined 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. Use of gloves, goggles and other protective clothing is advised when using 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
Non-Porous Floors	400 - 500	10.0 - 12.5
Porous Floors	250 - 300	6.3 - 7.5
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	150 - 200	3.7 - 4.9
Fired Clay Brick	150 - 200	3.7 - 4.9

THINNING

Prior to application, a test area must be performed to determine proper application rate and required surface preparation.

Do not thin.

APPLICATION

Product is supplied ready to use. Thoroughly mix before applying. **Note:** Product forms a surface film quickly depending on temperature, humidity and wind conditions therefore, for best results follow all equipment and application instructions carefully.

APPLICATION EQUIPMENT

By Spray Unit:

Apply by low-pressure high solids commercial grade solvent resistant sprayer with neoprene fittings. (Do not use pump-up garden or foam oil sprayers). If spraying and back rolling, best application is to spray enough material that a second person can immediately back roll following the spray applicator. Follow roller instructions below. **Caution: Do not delay the back roll as the area will dry quickly.**

By Roller:

Use only 1/4" nap mohair rollers. Do not over-work material; apply in a single lapping motion. Do not roll area back and forth, this can cause the product to become stringy. Do not run roller dry; keep a wet edge and do sections small enough to roll only once over wet material. Do not roll over dry material. Over rolling or using incorrect rollers will cause bubbles to form in the coating. Material should not be allowed to puddle. Broom out or squeegee excess. Do not allow sealed area to become wet with water until dry. (Note: Dry Times) Protect all areas from over spray. The sealer can be applied to damp surfaces; do not apply over puddled water. A uniform appearance requires even coats leaving no gaps. Some areas may be more porous than others; these areas may require additional coats to even out the appearance.

Caution: Do not over-apply material.

MAINTENANCE

Spills should be removed promptly and cleaned with a neutral (non-solvent) cleaner. Floors should be cleaned regularly. Periodic reapplication may be required as the sealer wears off.

CLEANUP

Clean all equipment immediately after use with lacquer thinner or toluene.

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.