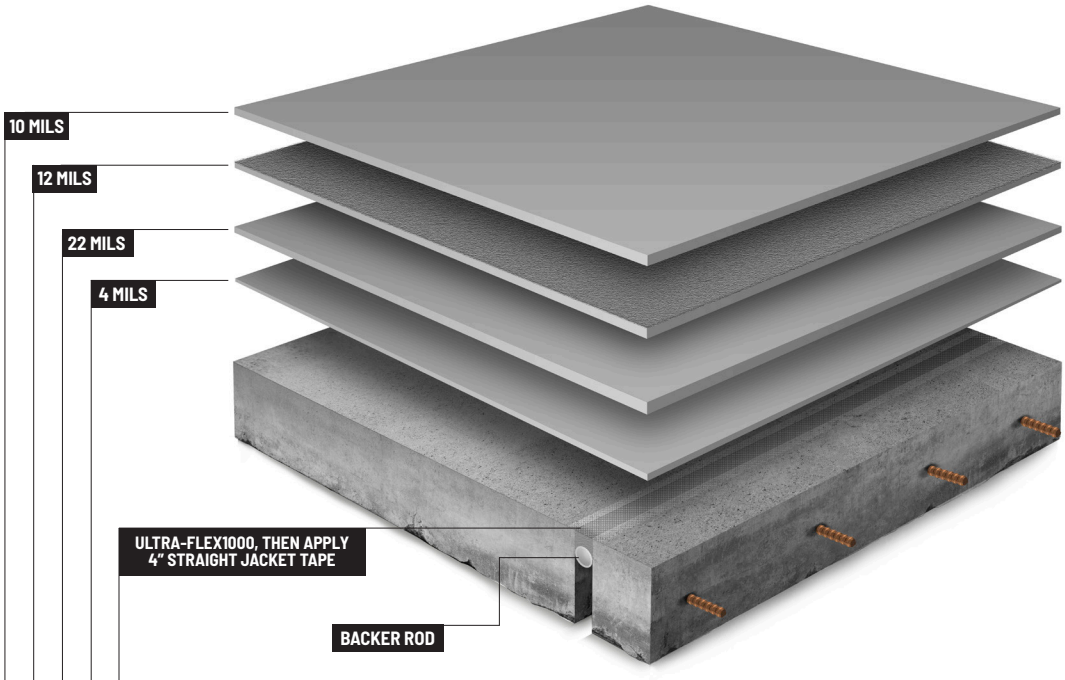
SPARTAN EPOXIES

XRC PRO ULTRA-DECK X4

PEDESTRIAN DECK COATING SYSTEM

PRODUCT DIAGRAM

CONCRETE SUBSTRATE



Based on properly prepared concrete
** See individual data sheets for complete details
Stone Gray color displayed

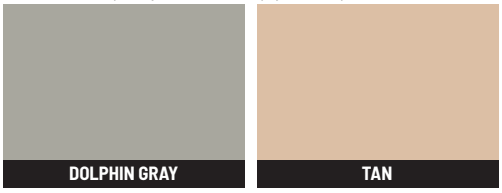
XRC PRO™

PRODUCT LAYER DETAILS	METHOD	RATIO	COVERAGE **
Pre-Application: ULTRA-FLEX 1000	NEAT	4:1	37 LF FT / GALLON
Layer 1: PROPRIME 84 ••	NEAT	1:1	300 SQ FT / GALLON
Layer 2: XRC PRO AQUAGUARD	NEAT	1 PART	50 SQ FT / GALLON
Layer 3: XRC PRO AQUAGUARD	AGGREGATE	1 PART	133 SQ FT / GALLON
Layer 4: XRC PRO-SHIELD	NEAT	1 PART	100 SQ FT / GALLON

**** IMPORTANT INFORMATION REGARDING PRIMER**
If substrate is very porous, consider using our high build epoxy system XRC PRO-PRIME LV

DO NOT ALLOW 24 HOURS TO PASS BETWEEN ANY COAT IN THIS SYSTEM. IF 24 HOURS DOES PASS, PLEASE CONTACT YOUR SPARTAN EPOXIES EXPERT FOR ADVICE AND RETIFICATION ON HOW TO PROCEED.

* Computer generated colors, physical samples available



* Minimum order of 250 gallons for custom colors. Speak to your rep.

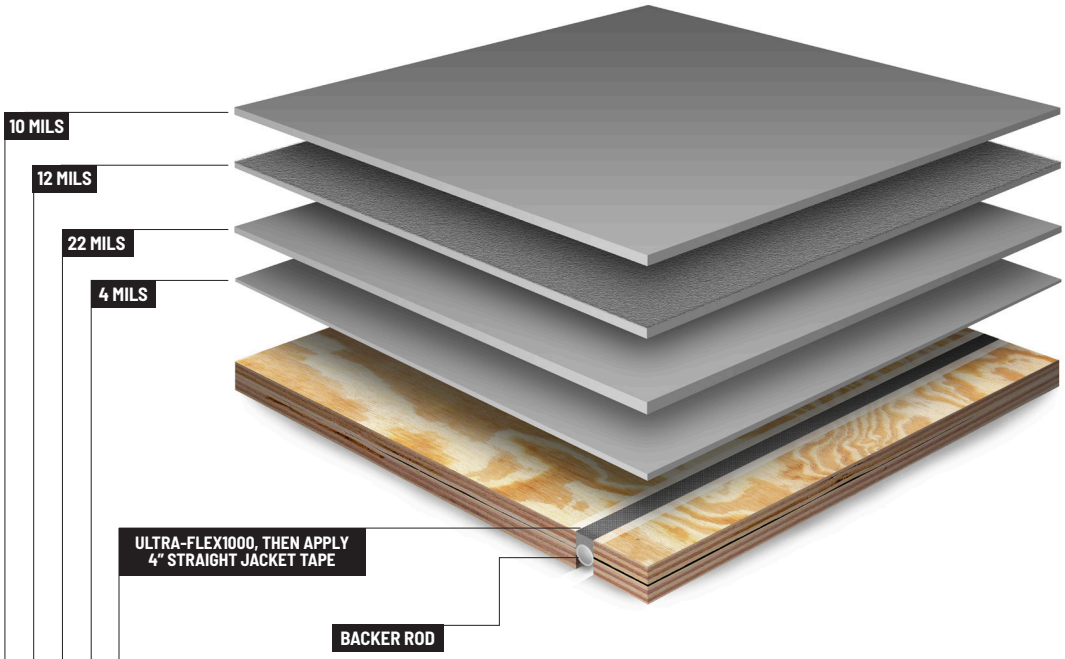
SPARTAN EPOXIES

XRC PRO ULTRA-DECK X4

PEDESTRIAN DECK COATING SYSTEM

PRODUCT DIAGRAM

PLYWOOD SUBSTRATE



Priming is optional over new plywood.
** See individual data sheets for complete details
Stone Gray color displayed

XRC PRO™

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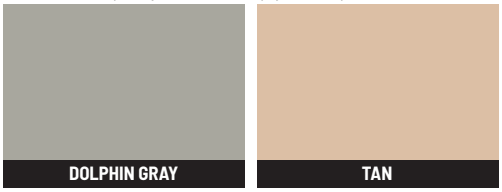

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FEATURES:
- Elastomeric
- Recoatable
- Seamless
- Waterproof

TYPICAL USAGE
- Balconies
- Patios
- Sun Decks / Pool Decks
- Walkways/Stairs
- Walkways
- So Many Others

Primers, Base and Topcoats have a shelf life of 1 year from date of manufacture in original, factory-sealed containers when stored indoors at a temperature between 60-95˚F (15-35˚C).

SYSTEM DESCRIPTION

Experience unmatched excellence with the all-new "XRC PRO UltraDeck X4 Pedestrian Coating System" – a cutting-edge Pedestrian Traffic Deck System that sets new benchmarks in liquid-applied, moisture-cured, polyurethane waterproofing. Specifically engineered for light service, this advanced system comprises an epoxy primer, a low-odor aromatic polyurethane basecoat, an intermediate layer of low-odor aromatic polyurethane with aggregate, and an aliphatic polyurethane topcoat.

With meticulous attention to detail, the specialized application of elastomeric waterproof coatings from Spartan Epoxies allows for seamless expansion and contraction with normal structural movements. Proudly manufactured by Spartan Epoxies, "XRC PRO UltraDeck X4" offers a range of VOC options from 100 to 340 gms/liter, ensuring flawless compliance with VOC requirements across diverse regions.

Embrace unparalleled innovation with "XRC PRO Ultra-Deck X4," raising the bar for pedestrian deck coating systems and redefining the standards of performance and dependability.

Use the correct grade of product which complies with VOC regulations applicable as per federal, state, statutory, counties, cities, and local bodies at the place of installation.

TECHNICAL DATA

Pedestrian Deck Coating System	40 Dry Mils (1016 microns)
Construction Joints	Ultra-Flex1000
Primer	Prime84 or Pro-Prime HD
Intermediate Coat	AquaGuard
Topcoat	Shield-100 or UltraShield

PACKAGING

Ultra-Flex1000	1-gallon kit: One 1 gallon can, net fill 0.8 gallons (3 liters) of Part-A and One quart can, net fill 0.2 gallons (0.78 liters) of Part-B 5-gallon kit: One 5 gallon pail, net fill 4 gallons (15.12 liters) of Part-A and One 1 gallon (3.78 liters) can of Side-B
PRO-Prime84 or Pro-Prime HD	2-gallon kit: One 1 gallon (3.78 liters) can of Part-A and One 1 gallon (3.78 liters) can of Side-B. 10-gallon kit: One 5 gallon (18.9 liters) pail of Part-A and One 5 gallon (18.9 liters) pail of Part-B
AquaGuard	1 gallon (3.78 liters) pail or 5 gallon (18.9 liters) pails
Shield-100 or UltraShield	1 gallon (3.78 liters) can or 5 gallon pails (18.9 liters)

APPROVALS, CODES & TESTING
- Class A Fire Rating on Concrete, UBC Standard 32-7, ASTM E108, UL 790, NFPA 256
- ICC-ES Report ESR-2785
- Los Angeles City General Approval Report #RR25171
- Meets the Criteria of ASTM C957
- Meets the Criteria of ASTM C1028 Co-efficient of Friction

See next page for application instructions

For complete information associated with the application of all Spartan Epoxies **XRC PRO decking systems and products**, refer to the General Guidelines and Technical Data Sheets of the **Spartan Epoxies** catalog, which describes the products, surface preparation, job conditions, finishing details, and other necessary information.

PHASE 1:
Ensure the application area meets the substrate requirements outlined in the General Guidelines. Prime any joints, cracks, and flashings using the recommended primers detailed in Phase 2. Administer Ultra-Flex1000 over all joints, cracks, and flashings. Span these areas with 4" (10.2 cm) Straight Jacket Tape, ensuring it embeds into the Ultra-Flex1000 using a trowel. When used as a caulking compound, Ultra-Flex1000 significantly reduces the curing time compared to traditional polyurethane caulks. Apply an additional stripe coat of Ultra-Flex1000 over the reinforcement tape, blending it seamlessly with the surrounding surface. Allow 1 to 2 hours for curing. Alternatively, a sealant approved by the manufacturer—either single or two-component polyurethane—may also be suitable for addressing joints, cracks, and flashings.

PHASE 2:
Concrete and metal should be primed with Pro-Prime84 at a rate of 300 sqft/gallon (0.14 liters/sqm). Apply using a brush or phenolic core roller. This will result in a 4 + 1 dry mils (102 + 25 microns) thick membrane. Metal should only be primed with ProPrime84 at a rate of 1 gallon/300 sqft or 300 sqft/gallon (0.14 liters/sqm).

Note: For rough, porous concrete or expected outgassing, use Pro-Prime HD. Apply at a rate of roughly 200 sqft/gallon, adjusting for substrate porosity. Before coating, ensure the primer is fully tack-free using the Thumbprint Test. If the primer stays tack-free over 12 hours, wipe with a VOC-compliant solvent and re-prime.

PHASE 3:
Apply AquaGuard to the substrate at a rate of 2 gallons/100 sqft (0.82 liters/sqm). To achieve optimal application, utilize a 1/8" (0.32 cm) notched trowel or notched squeegee. A 3/8" (0.965 cm) phenolic core roller can be employed; however, meticulous attention is essential to avert air bubble formation. Distribute the mixed AquaGuard uniformly across the entire deck, ensuring a resultant membrane thickness of 22 ± 2 dry mils (559 ± 51 microns). Allow AquaGuard to fully cure prior to advancing to Phase 4. Any required recoating should be executed within a 24-hour window post-cure.

Note: Spartan Epoxies basecoats should be applied on the same day as the primer to ensure adherence within the primer's recoat window. If same-day application is unfeasible, intensively broadcast aggregate into the primer to facilitate the basecoat's adhesion to the primer layer. It's imperative not to surpass a recoat window of 12 hours post-cure. If this window is exceeded, the surface should be wiped down using a VOC-compliant solvent, followed by a re-priming procedure before proceeding to the subsequent coat or phase.

PHASE 4:
Apply a second coat of AquaGuard at a rate of 125 sqft/gallon. Without delay, broadcast washed, dry, rounded sand, 20 mesh (0.841 mm), with a minimum hardness of 6.5+ Mohs, at a rate of 20 lbs/100 sqft (1 kg/sqm) or as necessary to attain a slip-resistant finish, into the wet second coat until fully covered. Excluding the aggregate, this application will yield a membrane thickness of 8 ± 2 dry mils (203 ± 51 microns). Post-curing, ensure the removal of all unbound aggregate. Any required recoating should be conducted within a 24-hour window post-cure.

PHASE 5:
Apply the preferred color of Shield-100 or UltraShield topcoat at a rate of 1 gallon/100 sqft (0.41 liters/m^2) or 100 sqft/gallon. For optimal application, employ a 3/8" (0.965 cm) nap phenolic core roller. This layer will contribute an added membrane thickness of 10 ± 2 dry mils (254 ± 51 microns).

OPTIONAL FAST CURE ENHANCEMENT:
BASECOAT: Adding XC-50 can reduce the curing duration to 3-5 hours per coat at a standard temperature of 75°F (24°C). Recoating should be done within 12 hours after the initial cure. If this recoating period is missed, wipe the surface using a VOC-compliant solvent and reapply with ProPrime-U.

TOPCOAT: By using Shield-100 Hardener, the curing period can be condensed to 2-4 hours for each layer at an ambient temperature of 75°F (24°C). Recoating should occur between 8-12 hours once the surface reaches a tack-free state. Employing Shield-100 Hardener to accelerate the cure process implies that the subsequent recoat window is reduced to 24 hours after curing. If this timeframe is missed, wipe the surface with a VOC-compliant solvent and reapply the primer.

SLOPING, CONCRETE REPAIR, CRACK FILLING
For sloping, concrete repair, or to fill cracks, use Ultra-Flex1000 neat or incorporate sand/rubber granules from 0.5 to 1.5 by volume into the mixed Ultra-Flex1000.

FINISHED SYSTEM:
When applied as directed, XRC PRO UltraDeck X4 Pedestrian Deck Coating System will provide 40 ± 5 dry mils (1016 ± 125 dry microns), exclusive of aggregate, for premium waterproofing protection. Continuous coating application is essential to minimize lines and/or streaking. Any optional adhesion test should be conducted seven days post-product application. ***See Next Page for Limitations...***

LIMITATIONS
The following conditions must not be coated with Spartan Epoxies XRC PRO Deck coating systems or products: On-grade slabs, split slabs with buried membrane, sandwich slabs with insulation, slabs over unvented metal pan, magnesite, or concrete with a structural integrity less than 3000 psi. Asphalt surfaces and asphalt overlays may be coated with Spartan's XRC PRO decking systems if first coated with a Spartan approved epoxy. Speak to your Spartan Epoxies Expert for additional information.

Concrete must exhibit a 3000 psi minimum strength. Concrete surfaces to be coated must be trowel finished in compliance with the American Concrete Institute (except that hand troweling is not required), followed by a fine-haired brooming, left free of loose particles, and shall be without ridges, projections, voids, and concrete droppings that would be mechanically detrimental to coating application or function.

New concrete must be cured for 28 days, (see General Guidelines). Spartan Epoxies XRC PRO Coating systems should not be subjected to rising water tables or hydrostatic pressure on slab-on-grade decks. The only acceptable grade of plywood is APA rated exterior grade or better. The appearance and physical characteristics of the plywood and grade should be considered. Plywood should be new, or cleaned and sanded (see General Guidelines). The coating should be applied at least 5°F (3°C) above the dew point.

NOTICE
The recommended coverage rates provided by Spartan Epoxies are based on laboratory conditions and assume application at an ambient temperature of 75°F (24°C). These rates serve as minimum coverage guidelines for clean, smooth plywood surfaces and do not account for additional material needed to fill potholes, spalling, scaling, or rough and irregular surfaces. The porosity and roughness of the substrate, aggregate size, and product temperature will impact actual coverage rates. Please note that the material mil thickness rates are calculated based on theoretical coverage on a smooth substrate and may not accurately reflect the texture or conditions of the actual field or application site. It is advisable to conduct sample mockups on the project using Spartan Epoxies products to determine the precise coverage rates required to achieve the desired level of waterproofing in accordance with acceptable standards.

After use, equipment should be cleaned using an environmentally safe solvent of urethane grade, as permitted by local regulations. It is important to note that uncured materials from Spartan Epoxies are sensitive to heat and moisture.

The substrate must be structurally sound and appropriately sloped to ensure proper drainage. Spartan Epoxies cannot be held liable for any defects in the substrate. Field visits conducted by Spartan Epoxies personnel are solely for the purpose of providing technical recommendations and should not be construed as supervisory or quality control measures on the job site.

WARNING:
The products included in this system from Spartan Epoxies contain Isocyanates, Solvents, Epoxy Resin, and Curatives.

DISCLAIMER OF WARRANTIES AND LIMITATIONS ON OUR LIABILITY

Limited Warranty: Please read all information in the General Guidelines, Technical Data Sheets, Guide Specifications, and Safety Data Sheets (SDS) before applying Spartan Epoxies materials. These products are intended for professional use only and preferably applied by professionals who have prior experience with Spartan Epoxies materials or have undergone training in their application. Published technical data and instructions are subject to change without notice. For current technical data, instructions, and project-specific recommendations, please contact your local Spartan Epoxies representative or visit our website.

Spartan Epoxies warrants its products to be free of manufacturing defects and ensures that they will meet Spartan Epoxies' current published physical properties. The sole responsibility of the seller and manufacturer shall be to replace any defective portion of the product. There are no other warranties, expressed or implied, by Spartan Epoxies, including any warranty of merchantability or fitness for a particular purpose in connection with this product. Spartan Epoxies shall not be liable for damages of any kind, including remote or consequential damages, resulting from any claimed breach of warranty, whether expressed or implied. Spartan Epoxies shall not be responsible for the use of this product in a manner that infringes on any patents held by others. Additionally, no warranty or guarantee is issued with respect to the appearance, color, fading, chalking, staining, shrinkage, peeling, normal wear and tear, or improper application by the applicator. The limited warranty excludes damage caused by abuse, neglect, lack of proper maintenance, acts of nature, and/or physical movement of the substrate or structural defects. Prior to any repairs conducted by the owner, general contractor, or applicator, Spartan Epoxies reserves the right to perform performance tests on any material claimed to be defective.

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