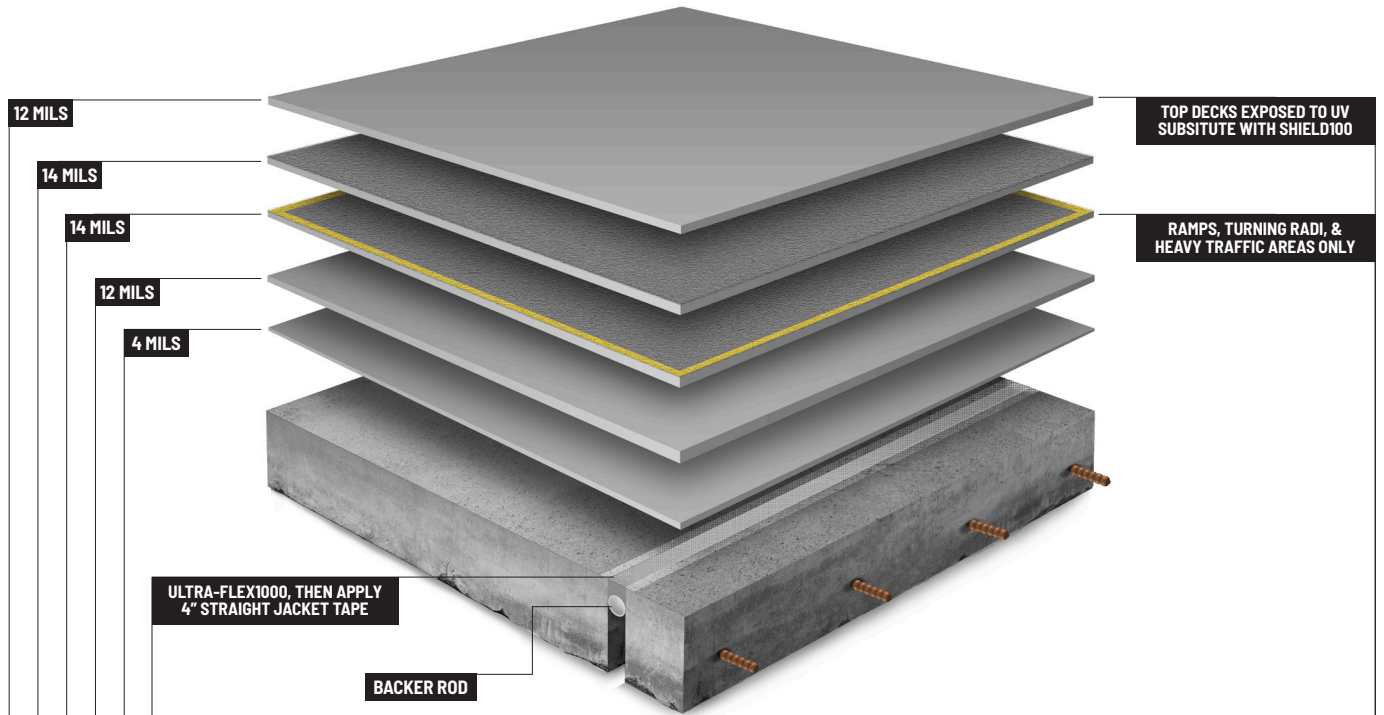


XRC PRO X5
VEHICULAR TRAFFIC DECK SYSTEM

SYSTEM SPECIFICATIONS



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

PRODUCT LAYER DETAILS	METHOD	RATIO	COVERAGE **
Pre-Application: ULTRA-FLEX 1000	NEAT	4:1	37 LF FT / GALLON
Layer 1: PRO-PRIME 84	NEAT	1:1	300 SQ FT / GALLON
Layer 2: XRC PRO GUARD	NEAT	*	80 SQ FT / GALLON
Layer 3: XRC PRO GUARD - RAMPS & TURN RADI	AGGREGATE	*	100 SQ FT / GALLON
Layer 4: XRC PRO GUARD	AGGREGATE	*	100 SQ FT / GALLON
Layer 5: XRC PRO GUARD	NEAT	*	80 SQ FT / GALLON

*** IMPORTANT NOTE FOR XRC PROGUARD**

CATALYST (XRC 50) AVAILABLE, WHICH CAN BE MIXED AT OUR FACTORY, OR ON LOCATION. IF XRC 50 IS USED, ALLOW ONLY A 12 HOUR RECOAT TIME.

IF RECOAT WINDOW PASSED, THEN SOLVENT WIPE THE SUFACE AND RE-PRIME WITH XRC PROPRIME-U. IF PROJECT IS DELAYED, MIXING CATALYST ON SITE SHOULD BE REQUESTED.

* Computer generated colors, physical samples available



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

FEATURES:

- Chemical Resistance
- Elastomeric
- Recoatable
- Seamless
- Waterproof

TYPICAL USAGE

- Balconies
- Concrete Roof and Decks
Over Occupied Spaces
- Helicopter Pads
- Vehicular Decks
- Walkways/Stairs
- Inferior Concrete Floors
- 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

The **XRC PRO X5 Vehicular Traffic Deck System** is a liquid applied, high solids, moisture-cured waterproofing system. It utilizes an epoxy primer and one easy-to-use high tensile, aromatic polyurethane to complete the system. The system is a user-friendly application that is specifically designed to be tough and durable enough to withstand vehicular traffic. It is an elastomeric system designed to expand and contract with normal structural movements. The three-coat application saves time and labor. The system can be applied to protect surfaces against spalling, freeze/thaw damage, and chemicals commonly encountered on vehicular traffic decks. It will neither soften in heat nor embrittle in the cold. Installed and maintained properly, the **XRC PRO X5 Vehicular Traffic Deck System** will ensure years of service.

Make sure to use the correct grade of product which complies with VOC regulations/ requirements applicable as per federal, state, statutory, counties, cities, and local bodies at the place of installation.

TECHNICAL DATA

40 Dry Mills (1016 microns)
ICC-ES Evaluated
Class A Fire Rated on Concrete
Vehicular Traffic Deck Coating System

Construction Joints ULTRA FLEX1000

Primer PRO PRIME84

Intermediate Coat XRC PROGUARD

Topcoat XRC PROGUARD

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 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

XRC PROGUARD 5 gallon pail (18.9 liters) with 1/2 pint (0.245 liters) can of catalyst or 55 gallon drum net 50 gallons (189 liters) with two 1/2 quart cans of catalyst (0.472 liters). Smaller and larger sizes available upon request.

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

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:

Check the area of application to ensure that it conforms to the substrate requirements, as stated in the General Guidelines. Prime all joints, cracks, flashings with approved primers as specified below in Phase 2. Apply ULTRA FLEX1000 over all joints, cracks, and flashing. Bridge joints, cracks, and flashings with 4" (10.2 cm) Straight Jacket Tape, pushing it into the ULTRA FLEX1000 with a trowel. Using ULTRA FLEX1000 as a caulking compound will shorten the curing time appreciably over conventional polyurethane caulks. Over reinforcement tape, apply a stripe coat of ULTRA FLEX1000 and taper it onto the adjacent surface. All cracks in concrete substrates must be treated per Spartan Epoxies Architectural Details. Allow the surface to cure for 4 to 6 hours.

PHASE 2:

Concrete and metal should be primed with PRO-PRIME84 at a rate of 1 gallon/300 FT² or 300 FT²/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 PRO-PRIME84 at a rate of 1 gallon/300 FT² or 300 FT²/gallon (0.14 liters/sqm).

Note: For rough or porous concrete or when outgassing is a concern, use PROPRIME LV Primer at a rate of 1 gallon/200 FT² or 200 FT²/gallon (0.20 liters/sqm); this rate may vary based on the porosity of the substrate. Allow the primer to become tack-free before moving to the Coating Application. The point at which the primer is deemed tack-free is when the primer passes the thumbprint test. The thumbprint test is defined by when a thumbprint is left in the primer, and the primer does not transfer to the thumb. If the primer has been allowed to remain tack-free for more than 12 hours, it is necessary to solvent wipe the surface with a VOC-compliant solvent and re-prime the surface.

PHASE 3:

Apply catalyzed XRC PROGUARD to the substrate at a rate of 1 1/4 gallons/100 FT² (0.51 liters/sqm) or 80 FT²/gallon. For best results, use a 1/8" (0.32 cm) notched trowel or notched squeegee. A 3/8" (0.965 cm) nap phenolic core roller may be used, but extra care should be taken to prevent air bubbles. Spread mixed XRC PROGUARD evenly over the entire deck, resulting in a minimum 14 ± 2 dry mils (356 ± 51 microns) thick membrane. Allow XRC PROGUARD to cure before proceeding to Phase 4.

PHASE 4:

Over ramps, turn radii, and other heavy traffic areas only, apply catalyzed XRC PROGUARD at a rate of 1 gallon/100 sqft (0.41 liters/sqm) or 100 sqft/gallon. Immediately broadcast washed, dry,

rounded sand, 16-20 mesh (0.841-1.19 mm), 6.5+ Mohs minimum hardness at a rate of 10 lbs/100 sqft (0.5 kg/sqm) or as required to achieve a slip-resistant finish. This coat will result in an additional minimum 12 ± 2 dry mils (305 ± 51 microns) thick membrane, exclusive of aggregate. Allow XRC PROGUARD to cure before removing all loose aggregate.

PHASE 5:

Apply a second coat of catalyzed XRC PROGUARD over the entire surface, including heavy traffic areas, at a rate of 1 gallon/100 sqft (0.41 liters/sqm) or 100 sqft/gallon. Immediately broadcast washed, dry, rounded sand, 20 mesh (0.19 mm), 6.5+ Mohs minimum hardness at a rate of 10 lbs/100 sqft (0.5 kg/sqm) or as required to achieve a slip-resistant finish. This coat will result in an additional 12 ± 2 dry mils (305 ± 51 microns) thick membrane, exclusive of aggregate. Allow XRC PROGUARD to cure before removing all loose aggregate.

PHASE 6:

Apply the third coat of catalyzed XRC PROGUARD topcoat at the rate of 1 1/4 gallon/100 sqft (0.51 liters/sqm) or 80 FT²/gallon over the cured XRC PROGUARD with aggregate. This coat will result in an additional minimum 14 ± 2 dry mils (356 ± 51 microns) thick membrane. At 75°F (24°C) and 50% relative humidity, allow 24 hours before permitting light foot traffic. Keep all vehicular traffic off the finished XRC PRO X5 Vehicular Traffic Deck System for at least 72 hours.

FINISHED SYSTEM:

When applied as directed, the XRC PRO X5 Vehicular Traffic Deck System will provide 40 ± 5 dry mils (1016 ± 125 dry microns) over all, and 52 ± 5 dry mils (1321 microns ± 125 dry microns) over ramps, turn radii, and other heavy traffic areas, exclusive of aggregate. This offers a superior waterproofing protection system with the assurance of a Class A Fire Rating. Requires a continuous coating application to minimize lines and/or streaking. Any optional adhesion test is to be performed seven days after product application.

STRIPING:

It is recommended that an epoxy paint is used for line striping. Speak to your Spartan Epoxies Expert for product information.

See Next Page for Limitations

Limitations

The following conditions must not be coated with Spartan Epoxies 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 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 all surfaces to be coated must be approved before starting work.

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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