



XT5 RG

Product Description

Basic Use: XT5 RG is a roller-grade liquid applied 2-part urethane coating that cures quickly to form a tough elastomeric coating that adheres to most substrates, forming a robust barrier for waterproofing, corrosion protection, and containment of water in non-uv exposed conditions. It remains flexible and resilient in demanding environments, is not affected by freeze/thaw cycles, and provides exceptional service in a broad range of applications.

XT5 RG is a post-applied monolithic membrane used on concrete foundation walls, split slabs, tunnels, plaza decks, parking garages, water retention tanks, and related applications where waterproof coating is critical.

XT5 RG is compatible with and can act as a bridge between common construction materials such as concrete, steel and other metals, asphalt pavement, glass, wood, and most coatings.

Composition: XT5 RG is a two-part black liquid urethane coating.

Benefits

- Forms a tough, elastomeric, seamless water impermeable coating.
- Cold fluid applied coating conforms and seals to complex substrates including penetrations and multiple angle changes.
- Self-flashing and self-terminating.
- Chemical cure ensures consistent cure throughout the coating.
- VOC compliant.

Limitations

- Not suitable for UV exposure longer than 180 days.
- Substrate temperatures must be 50°F (10°C) and rising, with a minimum of 5°F (3°C) above the dew point for application.
- Substrate must be absolutely dry and free from form release oils, powdered laitance, and waxes.
- XT5 RG materials need to be above 60°F (15°C) before mixing.
- Cannot apply membrane if risk of wet weather within 6 hours of application.

Technical Data

Properties: See physical properties table.

Coverage: One pail covers 100 square feet (9 square meters) @ 60 mils (1.5 mm), not including overlaps or waste.

Pot Life (@65°F | 18°C) - 35 minutes (temperature dependent)

Storage and Handling: Store raised off the floor, away from moisture and sun. Store XT5 RG between 20-110°F (-7-43°C), XT5 Activator between 70-95°F (21-35°C).

Shelf Life: XT5 RG: 2 years, XT5 Activator: 18 months

Specification Writer: Contact EPRO before writing specifications on this product. EPRO System selection should be reviewed in order to meet project specific site conditions.

Installation

Preparation: Please refer to manufacturer's specifications for substrate requirements. XT5 RG components should be inspected for damage prior to application.

Application: Please refer to manufacturer's specifications and installation guide associated with the specific substrate.

Substrate Preparation: An absolutely dry, smooth substrate surface that is free of dust and debris is required. Provide a Concrete Surface Profile (CSP) of 4 - 6. Concrete should be dry, frost free, and cured a minimum of twenty-eight (28) days prior to application of XT Primer and XT5 RG coating. Surface must be free of voids, spalled areas, sharp projections, loose aggregate, and form release agents.

Surface defects such as cracks, single bug holes of 1/2" (12 mm) or greater, or cavities, should be filled and finished flush with a non-shrink hydraulic grout or concrete.

Horizontal Surfaces: Prior to starting work, check that all horizontal surfaces to be waterproofed slope towards drainage or refer to balcony details for zero-slope applications.

Installation: Mark out 100 square foot (9m²) application squares. Apply XT Primer and let cure. Mix XT5 RG as per instructions and apply to substrate to project thickness. Continue application, ensuring that all wet edges are overlapped before they cure.

Mixing: DO NOT THIN. DO NOT HAND MIX. Begin mixing each pail of XT5 RG using a power mixer (e.g., 1/2" drill and an eight-inch mud mixer). Do not draw air into the mix. The premix and activator are packaged and supplied in the proper mix ratio. Failure to mix XT5 RG as provided will result in off-ratio or uncured coating. While mixing, slowly add one full jug of XT5 Activator to one full pail of XT5 RG. Mix thoroughly for 3 FULL MINUTES. Mixing jigs and timers are available to help eliminate mixing errors and increase productivity on the job.

Recoating: XT5 RG may be recoated within 1 hour of initial application and must be recoated before fully cured, usually within 4 hours.

Repair/Post-Curing: If applied XT5 RG material cures, it must be heavily abraded; free of dust, debris, and liquids; and coated with XT Bonding Agent prior to XT5 RG application.

In most applications, coated surfaces may be placed into service within 24 hours for non-aggressive service, or 72 hours for heavy traffic and severe services.

Availability and Packaging

Contact EPRO sales representative for local distributors or authorized applicators (www.eproinc.com).



XT5 RG

XT5 RG is available in 5-gallon ready to mix kits. Each kit consists of a container of premix and a smaller container of activator. The kits are supplied in the proper mix ratios with sufficient room in the premix container to facilitate adequate mixing.

Warranty

Limited Warranty: EPRO Services, Inc. believes to the best of its knowledge that performance tables are accurate and reliable. EPRO warrants this product to be free from defects. EPRO makes no other warranties with respect to this product, express or implied, including without limitation the implied warranties of MERCHANTABILITY OR FITNESS FOR PARTICULAR PURPOSE. EPRO's liability shall be limited in all events to supplying sufficient product to retreat the specific areas to which defective product has been applied. EPRO shall have no other liability, including liability for incidental or resultant damages, whether due to breach of warranty or negligence. This warranty may not be modified or extended by representatives of EPRO or its distributors.

Typical Physical Properties

Physical Property	Test Method	Value
Coating Color		Black
Solids by Volume		91% mixed
VOC Content		97 g/L (0.8 lb/gal)
Service Temperature		-20-180°F (-28-82°C)
Crack Bridging (10 cycles @ -15°F -26°C)		>1/8" (>3.175 mm)
Crack Bridging (after heat aging)		>1/4" (>6.35 mm)
Recovery from 100% Extension (after 5 minutes).....		>90%
Recovery from 100% Extension (after 24 hours).....		>95%
Abrasion Resistance	ASTM D 4060	<5 mg loss
- Wt. Loss, Taber Abraser CS-17 Wheel 1000 gr./1000 rev.		
Adhesion to Concrete	Elcometer	>350 psi
Deflection Temperature	ASTM D 648	Below -20°F (-28°C)
Elastomeric Waterproofing	ASTM C 836, ASTM C 957	Exceeds all criteria
Extension to Break	ASTM D 412	200%
Flammability	ASTM D 2859, UL 790	Pass/combustible substrate, Class A1
Hardness, Shore A (@77°F 25°C)	ASTM D 2240	70
Permeability to Water Vapor	ASTM E 96, Method E	0.03 perms
Softening Point, Ring & Ball	ASTM D 36	>275°F (>72°C)
Tear Strength (Die C)	ASTM D 624	140 lbs/in
Tensile Strength	ASTM D 412	700 psi

Volume: XT5 RG: 4.2 gallon (15.9 liter), XT5 Activator: 0.5 gallon (1.9 liter)

Weight: XT5 RG: 37 lbs (16.8 kg), XT5 Activator: 4.4 lbs (2 kg)

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Technical Services and Information

Complete technical services and information are available by contacting EPRO at 800.882.1896 or www.eproinc.com.

Warnings and Safety Information

Flammable. Use only in well ventilated areas. Do not store or use near open flame, sparks or hot surfaces. Keep containers tightly closed. Avoid contact with moisture or water. Keep out of reach of children.

Adequate health and safety precautions should be observed during storage, handling, application and curing. Refer to EPRO Safety Data Sheets for further details regarding the safe use of this product.

Equipment

Mixing: 0.5" (12 mm) power mixer with low RPM (<900 RPM), 1/2" (12 mm) eight inch mud mixing paddle, mixing jig.

Application: Suitable for application with a roller, brush, or trowel.