



Uroflox 65 TU

Uroflox 65 TU, a high performance urethane elastomeric coating specifically designed for high build applications. When fully cured, Uroflox 65 TU forms an extremely tough, abrasive resistant rubber coating, especially suited for applications requiring protection from impact, abrasion or corrosion on metal, wood or concrete surfaces. The system has added UV stabilizers and provides corrosion, weather, and abrasion resistance to various surfaces. Uroflox 65 TU elastomeric coating is recommended for exterior exposure in severe environments.

Typical applications include protective layers for pipes, tanks, wood, flexible foams, concrete and other industrial surfaces. Uroflox 65 TU provides excellent corrosion protection for concrete or steel in potable water service. Tested in accordance with Standard ANSI 61. Protects against microbiologically induced corrosion, hydrogen sulfide and sulfuric acid making it ideal for wastewater applications. Qualified under Florida DOT Section 975 (Elastomeric Waterproof Coating).

Property	B Component	A Component
Appearance at 25°C	Pigmented	Clear Liquid
Specific Gravity at 25°C	1.09	1.04
Viscosity at 25°C, Cps	550	250
Flash Point, PMCC, °F	>200	>200
VOC,%	0	0

Property	ASTM Test Method	Unit	Value
Specific Gravity	D792		1.083
Density	D792	lb/ft ³	67
Hardness	D2240	Shore A	85
Taber Abrasion H-18 Wheel, 1000-g Load, 1,000 Cycles	D4060	mg/loss	190
Tensile Strength:	D412	lb/in ²	1,330
Ultimate Elongation	D412	%	580
Tear Strength Die C	D624	lbf/in	330
Split	D1938	lbf/in	140
Water Absorption: 30 Days	Pilgrim	%	1.0
Crack Bridging 1000 Cycles	C 957	-	passes
Elongation Recovery	C 957	%	passes

Adhesion:

Uroflex 65 displays excellent adhesion to many different substrates, including steel, aluminum, concrete, and various polymeric surfaces. Consult your technical service representative for specific primer recommendations.

Thermal Resistance:

Uroflex 65 TU retains its elasticity at temperatures ranging from -40°C to +110°C, enabling it to withstand various climactic conditions.

Abrasion Resistance:

Surfaces coated with Uroflex 65 TU are exceptionally resistant to abrasion and wear.

Chemical Resistance:

Uroflex 65 TU is highly resistant to de-icing salt solutions, dilute, non-oxidizing acids, caustic solutions, aliphatic hydrocarbons, and mineral oils.

Weather Resistance:

Uroflex 65 TU has excellent resistance to all types of weathering, ozone, UV radiation, and high energy radiation.

Sealing Cracks:

Uroflex 65 TU seals cracks and at the same time prevents moisture penetration and attack by aggressive substances.

Water Vapor and Gas Permeability:

Uroflex 65 TU is waterproof, it has a high level of impermeability to water vapor, which helps prevent moisture build-up in the substrate.

Resistance to Hydrolysis and Microbial Attack:

Uroflex 65 TU effectively helps to protect surfaces against hydrolysis penetration and offers excellent resistance to micro-organisms.

Water Resistance:

Uroflex 65 TU forms a homogeneous, seamless, and watertight seal with no weak points.

Storage:

Store in dry moderate temperature. Shelf life of Uuroflex 65 is 6 months,

Surface Preparation:

General: Surfaces to be coated must be clean and dry. Adhesion promoters and or recommended primers as specified. Previously Applied Uroflex 65: Uroflex 65 TU can be applied to previously sprayed Uroflex 65 or brush/roller applied Uroflex 65 TU. Primer not generally required. Before application of the Uroflex 65 TU it is recommended to abrade the previously applied coating surface with an abrasive pad such as 3M Scotch Brite. Surface must be clean of all foreign materials. Blow surface with clean dry air before application. Concrete - fill all bug holes 2mm or larger before prime coat.

Concrete: Concrete must be cured a minimum of 28 days and be free of release agents, curing compounds, oils and free from loose dust or debris. Oils and Grease: Chemical cleaning with detergents, caustic soda solutions or trisodium phosphate is necessary to remove oil and grease. A vigorous scrubbing action should be carried out during the washing procedure. It is important to thoroughly flush the surface of the concrete with water to remove all traces of the loosened substances as well as the cleaning solution itself. If either residue remains it will interfere with the bond of the barrier material. Sandblasting is the most effective method of cleaning concrete surfaces. Sometimes environmental restrictions preclude the use of dry sandblasting. Water blasting with low pressure (3,200 psi) is effective to remove laitance and provide a profile of sufficient depth for B1, Polyprime 130 or an epoxy primer such as Prime X. B1, Polyprime 130 and Prime X (two-component primer) applied as a primer to water blasted concrete provides an excellent bonding primer for Uroflex 65 TU.

Steel: Immersion Service - SSPC-SP10 Near White Blast. Non-Immersion service - SSPC-SP6 Commercial Blast. Use Adhesion Promoter for greater adhesion to Steel.

Other Metals: SSPC-SP1 solvent clean and wire brush.

Wood: Surface must be dry. B1 Primer, or Prime X is recommended to minimize outgassing.

Previous Coating: Remove all loose or poorly adhered coatings. Solvent clean before application of Uroflex 65.

Mixing & Application: 1:1 by Volume.

Material is packaged in 2 quart Units. Special packaging available. Coverage @ 30 mils = 50 sq/ft./gallon.

Pre-mix B side prior to to ensure any settled pigment is properly dispersed

Measure into a (mix and measure) container a volume of Part B then pour and measure same volume of the A Component into the mix and measure container. (eg.) 32 ozs. or 1 quart B Component + 32 ozs. or 1 qt. of A Component = 1/2 gal. or 64 ozs. total mix.

Mix material for 1-2 minutes until material is of a uniform color.

Apply mixed Uroflex 65 TU immediately by brush or roller. 2 coats will be required to achieve the 30 mils.



Uroflex 65_{TU}

Uroflex 65 components are shipped in sealed containers that are purged with dry nitrogen. The containers should be kept tightly sealed and stored in a cool dry area. Storage temperatures should not exceed 90°F. Shelf life stored under these conditions is 6 months. Tightly reseal containers immediately after dispensing components.

Processing Parameters		
Processing Temperature		0-35°C
Mix Ratio, by volume		1 to 1
	Reactivity:	
Pot Life		45 min
Tack-free		30 min
Handling		1 hr.
Re-Coat		1 hr.

Florida Department of Transportation
Section 462 & 975
Protection of Post-Tensioning Anchorages

Within seven days upon completion of the grouting, protect the anchorage of post-tensioning bars and tendons as indicated in the plans. The application of the elastomeric coating may be delayed up to 90 days after grouting. Use an epoxy grout, meeting the requirements of Section 926 to construct all pour-backs located at anchorages.

Remove all laitance, grease, curing compounds, surface treatments, coatings and oils. Follow surface preparation requirements detailed on page 2.

Primer Application:

Coat the exposed cleaned surfaces with B1 Primer or Prime X. Area to be coated with Primer must be dry. Apply primer at a the rate of 300 sq/ft/gal. via brush or roller. Only a thin 2-3 mil application of primer is required. Allow primer to cure a minimum of 4 hours before application of Pilgrim Uroflex 65. When applying multiple coats, do not allow more than 24 hours at 77°F (25°C) substrate temperature to pass between coats, higher temperatures will shorten this window.

Mixing Instructions For
UROFLEX 65 TU

Material is packaged in 2 quart Units. Special packaging available.

Measure into a (mix and measure) container a volume of Part B then pour and measure same volume of the A Component into the mix and measure container. eg. 32 ozs. or 1 quart B Component + 32 ozs. or 1 qt. of A Component = 1/2 gal. or 64 ozs. total mix. Mix material for 2 minutes until material is of a uniform color.

Apply mixed Uroflex immediately by brush or roller.

The minimum thickness of the system shall not be less than 30 mils.

Apply in one or two coats to achieve 30 mils minimum requirement.