

Olmeck **olTough**™ Rubber Membrane

Impermeable, spray-applied membrane waterproofs and repels corrosion

Ultra-Tough, One-Component Barrier

olTough™ is a state-of-the-art, non-toxic, water-based polymer barrier engineered for high strength and extreme weatherability on commercial surfaces. Optimized for use with conventional airless sprayers, **olTough**™ can be seamlessly applied to a wide range of structures including roofs, decks, concrete slabs, building foundations, wet rooms, and more. **olTough**™ is a single-component, waterproofing and anti-corrosion membrane designed to be a safer, more reliable, and cost-saving alternative to both traditional roof restorations and new construction projects.

Versatile and Reliable

olTough™ delivers beyond waterproofing and can serve as a high-strength, impermeable air & vapor barrier over existing roof structures of virtually any size. It retains flexibility and continuously repels water despite the effects from aging, weathering, and thermal shock. **olTough**™ shields structures from deterioration, providing an anti-corrosive, UV protected, chemically resistant solution for an array of concrete and steel structures.

Application Guidelines

Ensure all surfaces are washed clean, remove all dirt, grease, debris, loose rust, oil, concrete laitance, release agents, and other contaminants. Ensure substrate is free of all sharp surface projections or loose components. Inspect, evaluate, and verify that the entire substrate is at an acceptable moisture level. A concrete sealer or primer may be applied beforehand to prevent or minimize release of existing chemicals or moisture due to hydrostatic vapor drive. Protect all adjacent surfaces from overspray.

Substrate cure times rely on factors such as surface thickness, sunlight exposure, humidity, and temperature. **olTough**™ should not be applied during freezing conditions as this will effect both cure time, adhesion, and surface integrity. Optimal cure time at 40 wet mils is between 6-12 hours in sunny and warm weather at 70°F (21°C).

olTough™ can be applied using a commercial-grade airless sprayer. Olmeck's **olSeal**™ series roofing membranes offers the same performance characteristics as **olTough**™, but applied using a brush or roller. The use of Olmeck's geotextile fabric can be incorporated with either **olTough**™ or **olSeal**™.

Storage

Do not store **olTough™** liquid material in areas below 50°F (10°C) as it will become unusable if frozen. Avoid extreme heat. Containers should always be protected from freezing during shipping and storage. All materials should be kept in their original, unopened containers, free from damage or contamination, and properly labeled.

OLTough™ PHYSICAL PROPERTIES (LIQUID FORM)	
Color	Black
VOC Content	None
Shelf Life	12 Months
Solid Content	62%
Packaging	5 gal./19 L pails; 50 gal./190 L drums; 264 gal./1000 L totes

PHYSICAL PROPERTIES (CURED FORM)	TESTING STANDARD	DATA
Color	--	Black
Membrane thickness	--	60 mils (1.5 mm) dry is typical application
Resistance to Ponding	--	Withstands indefinitely
Elongation & Recovery (Aged)	ASTM D412	1100% with 98% recovery
Tensile Strength (Aged)	ASTM D412	>600 psi
Dynamic Puncture Resistance	ASTM D5635	2.80 J/mm or greater
Impact Resistance	ASTM D3746	Pass
Fire Resistance	ASTM E108	Class A
UV exposure (1000 hrs.)	ASTM G155	Excellent, no changes
Water vapor permeability	ASTM E96	0.1 Perms
Low temperature flexibility	ASTM D5147	Passes at -20°C
Adhesion to Concrete	ASTM D4541	1,000 psi
Wind, Fire, Hail, Foot Traffic, UV	FM 4470	Pass (1-990, Class A, Severe Hail)
Hydrostatic Pressure Resistance	ASTM D5385	Pass @ 100 psi