

LOTUS is a new generation roofing product that is seamless and adheres to all substrates. It is liquid-applied, highly permanent elastic, cold applied and cold cured, one component polyurethane membrane used for long-lasting waterproofing.

LOTUS

HIGH PERFORMANCE LIQUID MEMBRANES

HIGH PERFORMANCE LIQUID MEMBRANE



Excellent protection for rusting, wear and tear. Suitable for foot and vehicle traffic.



Short preparation / No tear off required if needed. Application is easy.



LOTUS is very durable in extreme weather. Maintains its mechanical properties over a temperature span of -40°F to +195°F.



No seam, no overlap.



Adheres perfectly to all surfaces. It binds perfectly to wood, concrete, metal or any kind of existing roofing system.



Puddles on the roof are no long a problem. Can be applied to no angle/zero pitch roofs.



25 year limited warranty. Ask sales rep for extended warranties.



Safeguard your building enclosure with vapor permeable LOTUS membranes.



Over 600% elongation with excellent tensile strength.



100% waterproofing guaranteed





» APPLICATION

- » Keep at in room temperature for 24 hours before application for best results.
- » Mix with a slow speed mixer or a manually with a clean wood or metal stirrer, until the mixture is homogeneous.
- » Before application, area preparation is essential. Application area should be clean and dry with no dust, dirt, soil, grease, etc. Remove loose chippings and caulk holes and fill with LOTUS S4 Sealant.
- » Structural joints (*seams between plywood*) and surface/wall flashings should be prepared by filling with Lotus S4 Sealant and reinforced with LOTUS reinforcing mat.
- » LOTUS Liquid membrane has self-leveling features which don't require overwork of the product.
- » Apply with roller, squeegee or quality spray machines (*Ex: Graco*).
- » Use LOTUS vertical base coat for vertical surfaces to avoid sagging.
- » It dries to the touch in 45 minutes. Allow 3-4 hours before re-coating. Rain stable in 3-4 hours. Wait 18-24 hours before walking on it. Cures fully in 7 days.
- » Use LOTUS T3 Top Coat Max for pedestrian and vehicle traffic areas.
- » Temperature and humidity conditions will affect the curing times: Colder temperatures require longer curing time.

<http://www.lotuslm.com>

Technical Data

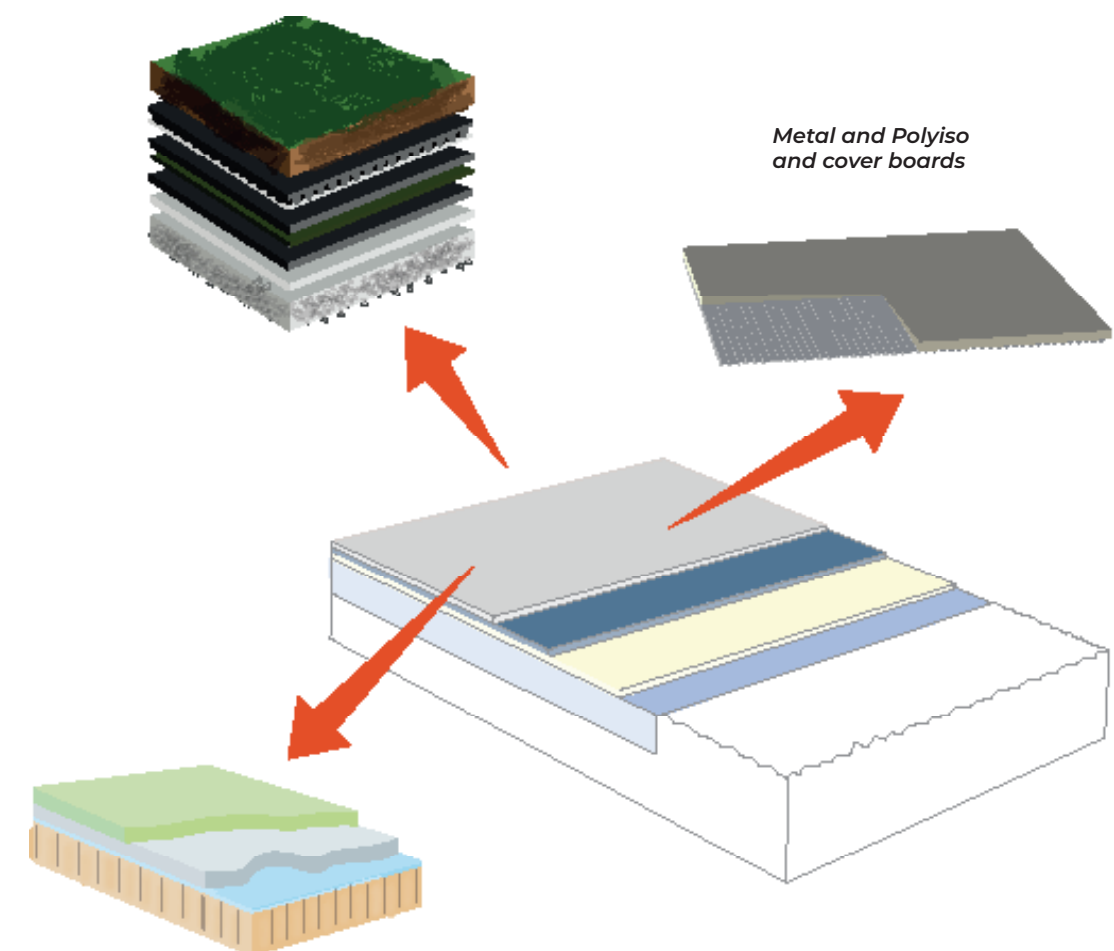
PROPERTY	SPECIFICATION	UNIT	STD. METHOD
Viscosity	1500-3500	cP	ASTM D2196-86, TS 5833 EN ISO 3219
Density	89-90	lb/ft ³	ASTM D1475 / DIN 53217 / ISO 2811, @ 68 °F
Hardness	55-65	Shore A	ASTM D2240 / DIN 53505 / ISO 868
%Elongation	>500	%	ASTM D412 / EN-ISO-527-3
Stress at 100% elongation	0.80-1.20	MPa	ASTM D412
Final Curing time	7 days	days	
Light Pedestrian Traffic Time	18-24 hours	hours	Conditions: 68 °F 50% RH
Rain Stability Time	3-4 hours	hours	

» LOTUS ROOF SYSTEMS

- » Unlike conventional roofing systems, one of the greatest advantages of LOTUS High Performance Liquid Membrane systems is that you can apply it on any roof deck substrates, or lay over existing roofing systems.
- » Over any substrates: concrete, brick, masonry, EIFS, asphalt, metal, wood planks, plywood, osb, asbestos, metal.
- » Over any Roofing Systems: Modified APP (*Torch Down*), SBS, EPDM (*Rubber*), TPO, PVC, Acrylic, Fiberglass
- » Primer, base coat, mid ply, vertical surface coat, topcoat and alternative surface finishings are available in the full product line.
- » LOTUS System is seamless, monolithic and root resistant and can accommodate long-term waterproofing solutions for landscaped green roof projects.

Benefits of LOTUS Green Roof Systems

- » Seamless and monolithic liquid membrane with excellent adhesion capacity.
- » It is resistant to roots of living media, sod and vegetation.
- » Extensive knowledge base, support for Green roof applications.



Top notch waterproofing with user-friendly, environmentally friendly, and energy-efficient products with LOTUS....



»» BENEFITS

- › Single component elastic polyurethane 100% waterproof seamless systems have better, longer-lasting waterproofing.
- › Perfect full adhesion
- › UV Resistant
- › Frost resistant
- › Resistant to root penetration, great for green roofs.
- › Provides water vapor permeability, so the surface can breathe.
- › Cold-applied
- › Ready to use in the bucket.
- › Provides excellent thermal resistance, it never turns soft. Resistant to -40°F to +195°F
- › Provides high sun reflectivity, contributing to thermo-insulation.
- › The waterproofed surface can be used for domestic and public pedestrian and vehicular traffic.
- › Even if the membrane gets mechanically damaged, it can be easily repaired locally within minutes. 30 years + with system warranties

»» USES

- › Waterproofing of rooftop decks. (*LOTUS B2 Base Coat is the only long lasting application for residential rooftop decks of US cities*)
- › Waterproofing of garages, mechanical rooms, HVAC rooms, or any other sensitive sections of the structures.
- › Waterproofing for foundations. Works great to stop static ground water
- › Waterproofing over APP modified, SBS, EPDM, TPO, PVC roofs as well as waterproofing on Concrete, metal, wood (*OSB, Plywood etc.*). Excellent adhesion with the primer specified in specs.
- › Waterproofing of balconies, terraces and verandas
- › Waterproofing of wet areas (*under-tile*) bathrooms, walk-in showers, kitchen, balconies, auxiliary rooms, etc.
- › Waterproofing of pedestrian and vehicular traffic decks
- › Waterproofing of green roofs, flowerbeds, planter boxes
- › Protection of polyurethane foam Insulation
- › Waterproofing and protection of concrete constructions like bridge-decks, tunnels, stadium stands, car parks, etc.