



ORSLM (Silver Lining Membrane)

Waterproofing Description

100% solids, 2 component, spray applied, pure polyurea elastomer. ORSLM is a tough, rapid set; high build coating that is, VOC compliant and moisture tolerant.

Primary Application

- Protective coating for metal and built-up roofs
- Protective coating for urethane and expanded polystyrene insulation
- Secondary containment when applied over concrete, wood or geotextiles
- Protective coating for decorative products
- Wearing and waterproofing membrane for pedestrian decks
- Water proofing of buried, protected or unprotected roofs, walks and concrete walls, with or without spray applied foam insulation.
- Vertical or horizontal application
- Approved for internal containment liner or food grade dry bulk goods.

Waterproofing Color

Aluminum, dark gray, black, brown, green, oyster, custom colors are also available

Chemical Resistance

Good Hydrolytic stability to 160° F. Good resistance to inorganic bases, acids and hydrocarbon solvents. Fair resistance to oxygenated and chlorinated solvents. For higher chemical resistance use ORSSS.

Waterproofing Packaging

A 110 gallon kit consists of two (2) 55 gallon drums.

Waterproofing storage life

12 months in unopened containers when stored in a dry location at 50-90° F (10-32° C)

Waterproofing Product Advantages

Seamless	Monolithic waterproofing
Rapid Set	Back in service sooner
High moisture tolerance	Long open application window
Hi Temp Range	Wide product applications
Easy high film build	Reduced labor cost
100% solids	No VOC
Tough Film	Abrasion resistant
Long coating life	Fire resistant membrane
Self Extinguishing	

Application Data

Substrate must be sound, clean and free of dirt, debris and other contaminants. Enhanced Flooring Products LLC (EFP LLC) primers are used on most substrates. No primer is needed for newly applied or cleaned foam. OR611 or OR511 is recommended for bare metal, old foam and concrete. Do not apply below 35° F (1.7° C).

Thoroughly Mix Part B of ORSLM prior to use and **continue to mix**. Care should be exercised to prevent cross contamination of the A&B components.

Application Equipment

High pressure high pressure (2500PSI) plural component proportioning equipment with plural component spray gun. Minimum barrel temperature, 70° F and rising. Minimum machine temperature, 160° F, minimum machine pressure, 2200 psi. Spray tip requirement .01 or .02 size.

Density

Part A	8.7 lbs/gallon
Part B	9.2 lbs/gallon

Typical Physical Properties

	Test	Values
Tensile Strength	ASTM D-412	2200
Elongation	ASTM D-412	500%-600%
Permanent Set	ASTM D-412	10% max
Hardness (shore A)	ASTM D-2240	80±3
Tear Resistance lbs/in	ASTM D-624	250
Ration A/B		1:1 by volume
Viscosity A side		1050±150 cps @ 77° F
Viscosity B side		850±500 cps @ 77° F
Flash point	Pensky Martin	>200° F (93.3)
VOC	ASTM 3960	0
Low Temp	ASTM D-1737	2@pass
Flexibility	Mandrel Bend	pass
Fire Resistance		(extinguish in <5 Sec)
Tack Free	To touch	10-20 seconds
Recoat minimum	EFP field test	<1 min
Recoat maximum	EFP field test	4 hr/after priming
Full Cure	EFP field test	5-7 days@70° F
Service Temp	EFP field test	-40 + 300° F
Surface application temp	EFP field test	40° F – 120° F
Water vapor permeability	ASTM E-96	0.02
Moisture vapor trans	ASTM 4060	20
Pull test "concrete"	ASTM D-930	375 PSI-concrete failure
Back to service	EFP Field tests	4 hours
Water absorption	ASTM D-471	.75%

Warranty

The technical data and any other printed information furnished by EFP LLC are true and accurate to the best of our knowledge. ORSLM conforms to in housed quality control procedures and should be considered free of defects. The data provided is believed to be reliable and is offered solely for evaluation. The use of the product is beyond the control of the seller, therefore the buyer assumes all risk of use and handling whether done in a matter that is in accordance with the provided posted directions or not. EFP LLC warrants ORSLM polyurea Roof Coating and Primer to be free of defects and to meet published physical properties when cured and tested according to ASTM CDSB and EFP LLC standards. Under this warranty, we will provide, at no charge, ORSLM roof coating and primer in standa4rd packaging to replace any ORSLM roof coating and primer proven to be defective when applied according to our written instructions and in applications recommended us as a suitable ORSLM roof coating and primer. **THIS BUYER SOLE AND EXCLUSIVE REMEDY.** All claims concerning product defects must be made in writing within (6) six months of shipment. The absence of such claims in writing during this period will constitute a waiver of all claims with respect to such product. This warranty shall be in lieu of any other warranty, expressed, or implied, including, but not limited to any warranty of MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.
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