



Coating Holdings LTD

1137 W Fond du Lac St
Ripon WI 54971

ORSLM (Silver Lining Membrane)

Waterproofing Description

A 100% solids, 2 component, spray applied, pure polyurea elastomer. ORSLM is a tough, rapid set; high build coating that is fire retardant, 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
- NSF approved for external 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 300°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 106 gallon kit consisting of two 53 gallon drums.

Waterproofing storage life

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

Waterproofing Product Advantages

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

Application Data

Substrate must be sound, clean and free of dirt, debris and other contaminants. Coating Holdings LTD primers are used on most substrates. No primer is needed for newly applied or cleaned foam. ORPR211 is recommended for bare metal and concrete. Do not apply below 35 F (1.7C)

Mixing Thoroughly mix Part B of SLM prior to use. Extreme care should be exercised to prevent cross contamination of the A&B components.

Application Equipment

High pressure (2 high pressure (2500psi) plural component proportioning equipment with plural component spray gun. Minimum barrel temperature, 70F and rising. Minimum machine temperature, 160F, 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	2200±500 cps @ 77F ± 500
Viscosity B side	1800±50 cps @ 77F ± 150
Flash point	Pensky Martins >200F (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	OR field test <1 min
Recoat maximum	OR field test 4 hr/after priming
Full Cure	OR field test 5-7 days@70F
Service Temp	OR field test -40 + 300F
Surface application temp	OR field test 40F – 120F
Water vapor permeability	ASTM E-96 0.02
Moisture vapor trans	E96 & ASTM 4060 20
Pull test “concrete”	ASTM D-930 375 PSI-concrete failure
Back to service	Field tests 4 hours
Water absorption	ASTM D-471 .75%

Warranty

The technical data and any other printed information furnished by Coating Holdings LTD is 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. Coating Holdings LTD 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 Coating Holdings LTD standards. Under this warranty, we will provide, at no charge, ORSLM roof coating and primer in standard packaging to replace any ORSLM roof coating and primer proven to be defective when applied according to our written instructions and in applications recommended 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 waive 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. 4/08