

# Application Instructions

## Surface Preparation



### Clean surface of debris



#### Natural Wood

If you have any wax or existing coating we recommend using SEMCO Power Cleaner and Stone Soap to strip it off.

Or use 60 grit sandpaper to lightly sand the surface to take off any dirt or loose coating.



#### Pools, Ponds, and submerged applications

Use SEMCO Nu-Lift Cleaner and Stone Soap to remove any mineral deposits or efflorescence.

Remove any loose paint or coating.



#### Concrete, Cement, Block, Pavers, Synthetic Wood

Use SEMCO Nu-Lift Cleaner and Stone Soap to remove any mineral deposits or efflorescence.

If there is any oil or grease, use SEMCO Power Cleaner and Nu-Lift Cleaner to strip surface of any oil or grease.



#### Metal, Aluminium

Use SEMCO Nu-Lift Cleaner and Stone Soap to chemically etch the surface of the metal for optimal bonding.



#### Petroleum/oil based coatings

Need to be removed completely prior to application.

## Applying the Fabric Reinforcement (on cracks)



### Treat all the cracks or joints first before apply SEMCO Liquid Membrane™ over the entire surface



1. Apply SEMCO Liquid Membrane™ over the crack.



2. While the SEMCO Liquid Membrane™ is still wet, put the Fabric Reinforcement on it and press it flat.



3. After 10-15 minutes apply an additional coat of SEMCO Liquid Membrane™ over the Fabric Reinforcement to encapsulate it.

Peel for more instructions



# Applying SEMCO Liquid Membrane™



## Roller/ Brush Application



1/2 nap

**Use a 1/2 nap roller. Allow any pre-treated areas to dry to the touch.**



0.015"

1. Apply a thin coat of Liquid Membrane™ (0.015 inches per coat) with brush or roller over substrate including pre-treated areas.



2x

2. Apply another generous coat of Liquid Membrane over the first coat of Liquid Membrane™.



1-2h



70°F-21°C

3. Let topcoat dry to the touch, approximately 1-2 hours at 70 °F (21 °C) and 50% RH.



4. When last coat has dried to the touch, inspect final surface for pinholes, voids, thin spots or other defects. Use additional Liquid Membrane™ to seal the defects. Required total thickness is 40 mil.



3x 20mil

**For fully submerged or consistent water applications, here is what is required:**

- 3 coats (20 mil each)
- a full cure of 6-7 days prior to permitting water



6-7 days

## Sprayer Application



2,500-3,300 psi  
0.95-1.6 GPM

The sprayer being used for the application of Liquid Membrane™ should be capable of producing a minimum of 2,500 psi (17.2), maximum of 3,300 psi (22.8 MPa) with a flow rate of 0.95 to 1.6 GPM (3.6 to 6.0 LPM) using a 0.521 or a 0.631 reversible tip. Keep the unit filled with Liquid Membrane™ to ensure continuous application of liquid. The hose length should not exceed 100' (30 m) in length and 3/8" (9 mm) in diameter. Required thickness is 40 mil.



0.521-0.631  
reversible



< 100'-30m  
< 3/8"-9mm Ø



3x 20mil

**For fully submerged or consistent water applications, here is what is required:**

- 3 coats (20 mil each)
- a full cure of 6-7 days prior to permitting water



6-7 days

# Applying SEMCO Liquid Membrane™



Can be applied on a wide variety of surfaces  
such as:



**Swimming  
Pools**



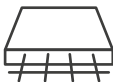
**Fountains**



**Basements**



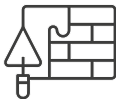
**Roofs**



**Concrete Floors**



**Wood, Plywood,  
MDF**



**Retaining block walls/  
Concrete block walls**



**Metal/aluminium  
like corrugated  
metal flat roofs**



**RV Roofs**



**Under Tiles**