

Description:

Hyproof SOM (Spray On Membrane)

A cold applied, moisture cured, single component waterproofing membrane using polyether technology. May be used in a two-ply, fabric reinforced application or in a single ply application. Fast curing elastomeric membrane which cures into a seamless monolithic rubber-like system that is resistant to thermal shock.



Product Highlights:

- Solvent free
 - High solids will not shrink
 - Bonds to green concrete
 - Non flammable
 - Very low odor
 - Conforms to OTC Rule for Sealants
 - Meets requirements of California Regs: CARB and SCAQMD
 - This product does not contain cancer causing chemicals listed in California Proposition 65
 - NAHB Model Green Home Building Guidelines: 5 Global Impact Points
 - VOC Content: Less than 36 grams /liter ASTM D2369 EPA Method 24 (Tested at 240° F / 115°C)
 - Moisture cure
 - No outgassing on damp surfaces
 - Wet film thickness equals dry film thickness
 - Very fast setting - Two coats in one day
 - May be used in confined spaces
 - Conforms to USDA Requirements for Non-food Contact
- **For specifics consult the Hyload Technical Department.**

Equipment:

- For the best spray results, use a Graco 833 Big Rig airless pump or equivalent that can deliver 2500 - 3000 psi at the gun with an inlet strainer. The volume of material supplied by the pump should be adequate for the given application.
- Spray gun should be Graco XTR-7 or equivalent with a 1233 to 1235 tip. NOTE: Other combinations of gun and tip can be qualified by the contractor to achieve the desired application properties.
- Hose must be capable of handling pressures up to 4000 psi or the peak pressure at the output of the pump and have a water lock membrane liner.

Applications:

- Below grade waterproofing
- Horizontal between slab underlayment
- Plaza Decks
- Balconies
- Tunnels

Packaging:

- Black Colored
- 5 Gallon Pails
- 36 Pails per pallet

Substrates:

- The substrate should be smooth, level, clean, and dry.
- Include but not limited to Wood, Masonry, Steel, Aluminum, Stone, Galvanized Metal, Asphalt BUR, Modified Bitumen, EPS Protection Board, Styrofoam Protection Board, and Concrete.
- Hyload SOM can be installed directly over existing Hyload membranes without priming. Priming with Hyload Asphalt Primer or Hyload HyPrime is recommended on all other substrates.

*Test and evaluate to ensure adequate adhesion

Shelf Life:

- Six months from date of manufacture when stored at 70°F / 21°C with 50% relative humidity. High temperature and high relative humidity may significantly reduce shelf life.

Typical Physical Properties ASTM C836

Grade	Spray Applied	
Viscosity	35,000 cp +/- 10,000 cp	Brookfield RVF TE Spindle, 4 RPM, 73°F (23°C)
Density	10.9 +/- 0.2 lbs per gallon	ASTM D1475
Tack Free Time	60 +/- 20 min	45 +/- 5 % R.H.
Solid Content by Weight	95%	ASTM C1250
Hardness Shore OO	70	ASTM D2240
Average Permeability	0.085 perm inches	ASTM E96
(Vertical) Film Thickness	PASS	ASTM C1375
Adhesion- in-Peel	PASS	ASTM C794
Adhesion- in-peel after water immersion	PASS	ASTM C794
Low temp Crack Bridging	PASS	ASTM C1305
Extensibility Heat Aging	PASS	ASTM C1522
Service Temperature	-40°F to 200°F (-40°C to 93°C)	

Limitations:

- Hyproof SOM is not intended for use with a permanently exposed surface
- In areas where prolonged chemical exposure is anticipated, contact Technical Services for recommendations.
- Do not use in above grade applications without a protective UV barrier.
- If Hyload SOM is to be coated with a UV barrier, test for asphalt staining before coating.
- Do not store in elevated temperatures.
- Remove all coatings and sealants before application.
- Do not apply at temperatures below 35°F (2°C).
- DO NOT THIN WITH SOLVENTS, WATER, OR OTHER FOREIGN MATERIAL
- DO NOT USE AN ASPHALT PRIMER



Warranty:

Hyload makes available to its customers several high performance product warranties. Contact Hyload's Corporate Office directly for details. A standard warranty is 10 years.