



Wetsuit® 1-Part Fluid Applied Membrane Professional Use Only

DESCRIPTION

WetSuit® 1-Part is a patented VOC-Free, self-leveling, water-based cold applied single-component fully-adhered, auto-terminating bituminous high grade rubber membrane suitable for a variety of waterproofing, roofing, air/vapor barrier, and protective applications. WetSuit® 1 part can be spray, roll, or brush applied.

RECOMMENDED USE

WetSuit® is designed for exterior and interior vertical and horizontal waterproofing, roofing, and environmental barrier applications. Typical applications include:

Split slab and structural slab waterproofing	Plaza decks, balconies, roof decks
Sea walls, dams and retaining walls	Green roofs, blue roofs, terraces, and planters
Corrosion protection, wall restoration	Below grade foundations and walls
Impermeable air and vapor barriers	Ponds, fountains, pools, tanks, containment
Marine and industrial applications	New and retrofit roofing over Capsheet/APP, Single-Ply (TPO, PVC, EPDM), metal roofs, built-up roofs, plywood, spray foam, and many coatings

FEATURES AND BENEFITS

- Single pass application for any millage up to 120 mils (3mm) wet horizontally and 80 mils (2mm) wet vertically with uniform composition and no mud-cracking or pin-holing; application rate 1,000 sqft/hour- 92 sqm/ hour with a 3 men crew with the patented Spraying machine and 750 sqft/hour- 69 sqm/ hour with a 3 men crew with the pressure pot.
- Versatile: proven in waterproofing, roofing, and air/vapor barrier applications, hydrostatic and dry, exposed and buried, interior and exterior, vertical and horizontal
- Durable: 2175% elongation and superb memory, highly resistant to puncture and impact, approved for foot traffic, excellent weathering and UV resistance performance,
- Simple: High adhesion with the waterbased Wetsuit ® primer over a wide variety of substrates eliminates laborious prep; system is easy to clean and components mix externally. Always test adhesion before applying the product. The Wetsuit® 1-Part will not adhere on Silicone.
- True waterproofing performance.
- Self-leveling: provides a monolithic waterproofing membrane over highly textured and rough surfaces, include UV damaged spray foam, Standing Seam Metal Roofs, and Built-Up Gravel roofs.
- Environmentally friendly, low-impact install; LEED eligible
- Simple prep work, Require fabric reinforcement only on gap, transitions and joints, no torches or melting pots



PACKAGING / SHIPPING INFORMATION / STORAGE / TEMPERATURES

Container size	Shipping Class	Reference
55 Gallons drum (208.2 liters)	Class 55	17-WS1-55
5 Gallons Pails (19 liters)	Class 55	17-WS1-5

Store in a cool dry area between 40°F/5°C-90°F/32°C, Protect from freezing.
Ensure that during application, the ambient temperature and the substrate temperature are at all time above 40°F/5°C (Minimum Film Forming Temperature)

CERTIFICATIONS

Fire class	BRooft1 BRooft2 BRooft3 DRooft4 Euroclass E ASTM E84	Flame spread index 20 Smoke developed index 100-200
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COVERAGE

Application	Dry Thickness	SqFt/Gal	l/Sqm
Roofing	60 mil / 1.5 mm	16.03	2.54
Vertical waterproofing	80 mil / 2 mm	12.02	3.39
Horizontal Waterproofing	100 mil / 2.5 mm	9.62	4.24
Air barrier	40 mil / 1 mm	24.04	1.69

Please, refer to specific coverage document.

CURING TIME

WetSuit® Products will cure at different rates depending upon the Temperature, Humidity, Thickness Applied, and Substrate that is being applied onto.

This cure schedule is based upon films cast at 60 mils DFT, at 50% Relative Humidity, and 77 degrees Fahrenheit.

As the full curing time is highly dependent of the atmospheric condition and the ventilation on the surface of the membrane, verify the curing state of the membrane with a moisture meter before applying any load.

The membrane is considered as fully cured when the moisture meter indicate a measure below 6%.

Curing stage	Duration
Rain resistance	24 hours
Recoat	24 hours
Ponding / flood test	7 days
Limited traffic	24 hours
Fully cure / Return to full service	14 days



PROPERTIES

Property	Test Method	Result
Color		Brown to Black
Volatile Organic Compounds		0%
Shelf Life		18 months
Dry weight		60 mils : 6oz/ft ²
Ignition / Flash temperature	ASTM D92	960°F / 516°C
Elongation / Elongation after 2000 Hrs weathering / Elongation at freezing	ASTM D412	2175% / 2166% / > 550%
Tensile Strength / tensile strength after 2000 Hrs Weathering	ASTM D412	434.5 Psi / 737 Psi
Cold temperature pliability	ASTM D2136-02	Passed at -30°F

SURFACE PREPARATION AND APPLICATION

WetSuit® should not be applied to wet surfaces or surfaces with latent moisture. Substrate temperature must be above 40°F/5°C, product must not be allowed to freeze during storage and until final cure. WetSuit® 1-Part is applied using Neptune Coatings patented WetSuit® Spray System or using the pressure pot supplied by Neptune Coatings. See Spray System Technical Data Sheet for more information. Surface should be clean and dry with no oils, loose debris, laitance, organic matter or other interfering matter. See Neptune Coatings "Surface Preparation Quick Guide" for detailed substrate guidance, full application instructions in Guide Specifications.

Neptune Coatings strongly advise applying a layer of Wetsuit® PrimeMate on any substrate to ensure optimum adhesion before applying Wetsuit® 1-Part.

Wetsuit® 1-Part can be applied on substrates with a temperature above 5°C / 41°F. When the substrate temperature is above 80°C/176°F, carefully verify the adhesion of the formed membrane.

TOP COATING AND SURFACE MODIFICATION

For a colored or reflective topcoat, use Neptune Coatings Reflex or approved equal. Contact manufacturer for approved coatings. For a granulated or bead finish, after the 1-Part membrane has been allowed to cure completely apply an additional 30 wet mil coat of WetSuit® 1-Part and broadcast approved bead or granule into it. Time to cure completely will depends on temperature and humidity conditions.

RE-APPLICATION

WetSuit® is self adhering, and does not require scarification. WetSuit® 1-Part or Trowel adhere directly to 2-Part. If a topcoat has been applied, contact Manufacturer.



CLEAN UP

Requires Pine-Sol (or equivalent) and water in a 5:1 mixture for flushing the equipment after the job. Equipment requires flushing if down me is greater than 72 hours.

SAFE PRACTICES

This product is designed for professional installation. Before working with this product, you must read and become familiar with the available information on its risks, proper use and handling. Information sources include but are not limited to SDS and product labels. More resources are available by contacting Neptune Coatings directly.

A painter's nose/mouth mask and goggles are recommended while spraying. Gloves are recommended to avoid minor skin irritation. Refer to SDS for complete safety information. We always recommend adherence to OSHA fall safety guidelines and best practices.

MINIMUM EQUIPMENT

Always use the specific Spraying system supplied by Neptune Coatings.

To our knowledge, all the technical information in this document is true and accurate at the date of publication of this technical data sheet and remain subject to modification without prior notice. The user can contact Neptune Coatings to verify the accuracy of the information before to specify the product or before to order it.

We warranty that our product are compliant with the standards of quality control established by Neptune Coatings. We don't accept any liability regarding the coverage ratio, the performances or any wound resulting from the use of the product. The responsibility of Neptune Coatings if any is limited to the replacement of the product. No other warranty is given by Neptune Coatings directly or indirectly, by legal route or otherwise, regarding the suitability of the product to a given application.