

## DESCRIPTION

WetSuit® is a water-based, cold spray applied, plural component, quick cure, seamless, rubber roofing and waterproofing fluid applied membrane. It can be sprayed to any mil thickness in a single coat and cures to a monolithic, highly flexible membrane with many unique properties. WetSuit® is 80% cured in three seconds and bonds to most substrates.

## TYPICAL USE

WetSuit® is designed as a roofing, waterproofing and air/vapor barrier membrane applicable to vertical, horizontal, and overhead applications. Typical uses include roofing and re-roofing, between slab, below grade walls, tunnels, planters, air/vapor barriers, plaza decks and ponds. Many niche applications are employed with this product.

## LIMITATIONS

WetSuit® is a water-based material and is limited to applications above freezing. Animal fats and petroleum products soften the material over time.

## PACKAGING

WetSuit® is available in kits of 55 gallon drums and 5 gallon pails of accelerator weighing approximately 550 lbs.

## TECHNICAL DATA

Physical Properties	FM & ASTM Test	Result
COLOR		BROWN TO BLACK
NON-TOXIC		NO SOLVENTS
SHELF LIFE		1 YEAR
MINIMUM CURED FILM THICKNESS		60 MILS
FIRE	ASTM E108	CLASS A ON 4" SLOPE
HAIL RESISTANCE	FM 4470	SEVERE HAIL PASS
UV EXPOSURE	FM 4470	PASS
FIRE	FM 4470	PASS
WIND	FM 4470	CLASS 1-990 OVER STRUCTURAL CONCRETE CLASS 1-420 OVER HOT MOPPED CAP SHEET
WATER LEAKAGE	FM 4470	PASS
FOOT TRAFFIC	FM 4470	PASS
PONDING		NO EFFECTS AFTER 6 MONTHS
ACCELERATED WEATHERING (1000 HOURS, 7 YEARS)	ASTM G26	NO ADVERSE EFFECTS
IMPACT RESISTANCE	ASTM D3746	NO EFFECT
XENON EXPOSURE 1000 HOURS (UV)	ASTM G155	PASS
PEEL ADHESION TO CONCRETE	ASTM D903	32.5 LBS.
*PEEL ADHESION TO PRIMED CONCRETE	ASTM D903	20.83 LBS.
PEEL ADHESION TO EPDM	ASTM D903	20.24 LBS.
*PEEL ADHESION TO PRIMED EPDM	ASTM D903	22 LBS.
LOW TEMPERATURE BEND	ASTM D2136	PASS @ -30°F
WATER VAPOR TRANSMISSION @ <b>35 MILS</b>	ASTM E96	.0382 WVT / .0554 PERMS
AIR LEAKAGE @ <b>35 MILS</b>	ASTM E283	0.001 (BELOW DETECTABLE LIMITS OF TEST EQUIPMENT USED)

\* PRIMED WITH WETSUIT® 1-PART. TESTS BASED ON 60 MIL MEMBRANE UNLESS OTHERWISE NOTED.

## INSTALLATION: Standard Assembly

### Surface Preparation

All surfaces must be clean, dry, free of loose materials, loose paint, oils, form release agents and other contaminants. These should be removed prior to application by power washing or other suitable methods.

### Detailing

If required, use cant strips on all 90° angles since WetSuit® may pull away from corners as it cures. Gaps and cracks more than ¼" wide and seams such as in wood or recover board, are treated by applying 40 wet mils of Undercover over the specified area, extending 2" on all sides. Embed Invisilink® reinforcement fabric into the Undercover and brush it in to ensure full saturation with no wrinkles or voids. Apply a final thin layer of Undercover over the Invisilink® fabric. Undercover is also used as a base coat around penetrations and drains, uneven surfaces such as footers on below grade walls, as an adhesive for flashing or for bonding surfaces together.

### Application

WetSuit® may only be applied through compatible equipment manufactured by Neptune Coatings. Generally, no priming is required. A 60 mil membrane can be sprayed at a rate of 1500 square feet or 75 gallons per hour. It is applied to a minimum film thickness of 60 mils dry, 80 mils wet, or 18 square feet per gallon. Coverage varies depending on the profile and texture of the substrate. Always start spraying at the lowest points and work towards the higher points because of accelerator runoff. Drums must be stirred every 10-15 minutes. Apply in temperatures 40 degrees and rising. Do not allow to freeze.

Please contact Neptune Coatings for information regarding:

- Fully Reinforced System
- Green Roof Assembly
- Air/Vapor barrier assembly

## WARNINGS AND HAZARDS

Use only in areas with adequate ventilation. In areas of limited ventilation, wear a respirator. Avoid eye contact with the accelerator. Refer to MSDS for important warning and product information.

## STORAGE

Store material in areas above 50°F. Protect from freezing in shipping and storage.

## LIMITED WARRANTY

Neptune Coatings Corporation warrants this product to be free of defects in material only at the time of shipment from our factory. If any Neptune Coatings materials prove to contain manufacturing defects that substantially effect their performance, Neptune Coatings will, at its option, replace the material.