

SUBSEAL-40™

Self-Adhering Waterproofing Membrane for Pipelines

MFM Building Products Corp. manufactures a wide range of innovative waterproofing products for the building industry. Founded in 1961, MFM products are engineered for superior performance and ease of installation.

DESCRIPTION

SubSeal-40™ is a prefabricated self-adhering sheet-type waterproofing membrane. It is composed of a tough multi-layer cross-laminated polyethylene film that is coated with a rubberized asphalt adhesive. A release liner protects the adhesive and is removed as the membrane is installed. This advanced system bonds to the substrate and self-seals around nails, staples and other fasteners to prevent damage caused by water penetration.

USES

For pipeline applications, SubSeal-40 adheres aggressively to most clean, dry substrates including iron, copper, steel, PVC, CPVC, and concrete. SubSeal-40 is intended as a multi-purpose waterproofing membrane for use in sub-grade applications and under siding, exterior plaster, and as a through wall flashing. SubSeal-40™ adheres aggressively to most clean, dry substrates including metal, wood, vinyl, masonry, ICF foundations with a film/foil surface, Gold Bond® e²XP™ and rigid insulation boards. SubSeal-40™ may be used to waterproof foundations and other below grade structures, plaza decks, balconies, under siding, and exterior plaster. Foundation wall, ICF foundations, floor and planters, under stucco and at head, sill chimney shoulder, pot shelves, and parapets and pony walls. Use for sealing SIPS building panels, around doors, windows and other potential leak areas.

FEATURES

SubSeal-40™ offers these extra features:

- Uniform thickness for dependable protection
- Self-seals around fasteners including nails, staples and screws
- High strength, high elongation, flexible – accommodates expansion and contraction of the substrates
- Protects ICF foundations and insulation boards from damage during backfill
- Outer film surface is compatible with most construction sealants
- Eliminates leaks – multiple layers of protection seal out water
- Rubberized asphalt won't crack or dry
- Aggressively adheres – SubSeal-40™ sticks to poured concrete, concrete block, metal, vinyl and most other materials to eliminate the movement of water under the membrane

INSTALLATION

- Apply in clear, dry weather
- Surface must be clean, dry and free from oil
- Masonry must be clean, fully cured and primed with an MFM-approved asphalt primer
- Prime weathered surfaces as necessary
- Clean, dry metal surfaces do not require priming
- Use 3" side laps and 6" head laps
- Apply uniform pressure with a 2-3" hand roller to entire surface
- **DO NOT** install over solvent-based sealants unless fully cured – active solvents may liquefy bottom adhesive surface
- **DO NOT** install over PVC and silicone roofing materials – adhesive is not compatible with these materials
- Installer is responsible for compatibility with caulks and sealants
- **DO NOT** install over flexible vinyl gaskets or uncured caulking
- **DO NOT** expose installed product to direct sunlight for more than 90 days

PRODUCT DATA

Material Color	Black
Roll Sizes	6", 9", 12", 18", 24", 36" x 75'
Carton Weight	62 lbs 42 lbs for 24" roll
Rolls per Carton	6, 4, 3, 2, 1, 1
Area per Carton	225 ft ² 150 ft ² for 24" roll
Cartons per Pallet	25
Installation Temperature Range	>50°F
Service Temperature	-20°F – 170°F

TECHNICAL SPECIFICATIONS

Property	Test Method	Result
Material Thickness	ASTM D 1970	40 Mils Nom.
Pliability	ICC-ES AC 38	Pass
Vapor Permeance	ASTM E 96	0.02 g/m ² in 24h Max
Elongation MD/CMD	ASTM D 412	Pass
Water Resistance	ASTM D 779	>30 hr.
Nail Sealability	ASTM D 1970	Pass
	ASTM E 331	Pass
Tensile MD	ASTM D 882	21 lbf/in
Tensile CMD	ASTM D 882	28 lbf/in
Water Absorption	ASTM D 570	Pass
Water Vapor Transmission	ASTM E 96	Pass
Static Puncture Resistance	ASTM D 5601	>250 N
Resistance to Decay	ASTM C 1306	Pass

*Some results may be the test method criteria and not actual test results.

PRODUCT NUMBERS | CARTON UPC CODES

36" - 51336	7 25799 51336 3
24" - 51324	7 25799 51324 0
18" - 51318	7 25799 51318 9
12" - 51312	7 25799 51312 7
9" - 51309	7 25799 51309 7
6" - 51306	7 25799 51306 6

APPROVALS

SubSeal-40™ is tested to ASTM D 1970, and complies with ICC-ES ESR-2783 (AC148), ICC-ES ESR-3980 (AC38), ICC-ES ESR-5091 (AC527), AAMA 711-13, LA County (LARC/LABC), and State of California (CRC/CBC).



10-YEAR LIMITED WARRANTY

MFM Building Products Corp. (MFM) warrants materials to be free from leaks caused by defects in material or manufacturing for a period of ten (10) years from the date of purchase when applied according to published directions.

For the most current Installation Instructions, Warranties, Technical Specifications and Approvals, visit www.mfmbp.com.