



MOISTSEAL®

Specification Bulletin
No. 109
Moistseal®

Moistseal® | Below Grade Waterproofing

DESCRIPTION:

A non-reinforced polyvinyl chloride, waterproofed, impermeable sheet, composed of elastomeric substances which have been reduced to a thermoplastic state and formed into a continuous sheet available in the following thicknesses:

Type 20 (.020") weighing approx. 22 ounces per sq. yd.

Roll Sizes: Type 20, 150' long. Can be slit to multiple widths.

FEATURES:

Moistseal is intended for use as a concealed waterproofing membrane on foundation walls and under concrete slabs.

Material will not be physically deformed when stretched at room temperature nor will it tear or rip. It will show no cracking or flaking when bent through 180 degrees over a 1/32" mandrel and then bent at the same point over the same size mandrel in the opposite direction through 360 degrees. The material is suitably stabilized to resist exposure without physical deterioration when tested in accordance with A.S.T.M. standard D-822 for a period of not less than 400 hours. It is resistant to acids, alkalis and caustics. **RECOMMENDED FOR CONCEALED APPLICATIONS ONLY.** Recommended adhesive is a compatible contact cement. **DO NOT USE ASPHALT BASED MASTICS.**



MODEL SPECIFICATIONS:

Special Requirements:

1. Protect all adjacent work from damage by work performed under this section.
2. All materials specified shall be delivered to jobsite in approved manufacturer's sealed containers bearing manufacturer's name and material identification.

Preparation:

All surfaces to receive waterproofing shall be smooth, hard, frost-free, thoroughly dry and clean to the satisfaction of the dampproofing contractor. Membrane shall be applied as work progresses and in no case shall the membrane be left exposed longer than necessary. Metal surfaces to receive membrane must be free from scale, rust, grease or oil. Use a fast evaporating solvent to clean metal surfaces.

Materials:

For membrane waterproofing, material shall be Advanced Moistseal (specify one, i.e., Type 20) as manufactured by Advanced Building Products, Inc., Springvale, Maine.

PHYSICAL CHARACTERISTICS

Color	Black	
Specific Gravity	1.28-1.33	ASTM D-792
Tensile Strength	2200 to 2800 Psi	ASTM D-882 & 412
Elongation (%)	250	ASTM D-882 & 412
Graves Die Tear	450 lbs./inch	ASTM D-1004
Elemendorf Tear	150 (gram/mil)	ASTM D-689
Masland SPI Cold Crack	-10° + -5° F.	ASTM D-1543
Cold Flex	No cracks at 20°F. 1/32" Mandrel	
Weatherometer (5,000 hrs.)	No change	ASTM D-822
Hardness Shore A	80	ASTM D-676
Brittleness Temp.	-57° C.	ASTM D-746
Volatile Loss (24 hours. 70° C.)	1.05%	ASTM D-1203
Water Vapor Transmission		
(Grams/100 sq. inch)	0.24 240 hrs. 212° F.	
Staining None	240 hrs. 212° F.	

NOTE: ADVANCED BUILDING PRODUCTS, INC. DOES NOT ENDORSE THE USE OF PVC AS A THRU-WALL FLASHING.

Applications:**Foundation Dampproofing:**

Install material using the greatest width obtainable and lengths not to exceed 20'. The material shall be applied vertically from the top down and be laid in a full trowel coat of any compatible contact cement using a notched trowel with a cement build-up of not less than 1/16", which is equivalent to approximately 100 square feet to the gallon. Lap membrane 6" at all joints. The surface of the membrane shall be rolled in with a rubber hand roller forcing all air out causing cement to protrude around all seams, eliminating all air entrapment. If wrinkles appear and are not gone in 24 hours, rerolling will become necessary. Dampproofing material shall be applied from exterior finish grade down to bottom of foundation wall and tied in with waterproofing at footing. All conduits passing through wall should be sealed with membrane and a compatible contact cement. Prior to back-filling and after 48 hours has elapsed and dampproofing has been inspected and approved, protect the membrane from damage by applying hard-board sheets or 1" polystyrene boards the full height of the wall, spotting sheets with compatible contact cement to prevent movement during back-filling operation.

Slab Dampproofing:

Install material using the greatest width obtainable and lengths not to exceed 20'. The material shall be laid in a full trowel coat of compatible contact cement, using a notched trowel with a cement build-up of not less than 1/16", which is equivalent to approximately 100 square feet to the gallon. Joints shall be butt-ended. Apply pressure using 50-100 lb. sectional roller forcing cement to protrude at all joints. Apply a compatible contact cement with the same notched trowel over each joint and cover joints with a minimum of 6" wide strips of Moistseal again, apply pressure forcing the cement to protrude at all edges. Turn up material at sides and around all columns and vertical protrusions as required.

Dampproofing Under Slab:

On grout surfaces or tamped earth and prior to pouring slab, lay on substrate the widest width and lengths obtainable lapping a minimum of 6" on sides and 10" on ends. Seal laps with a full trowel coat of compatible contact cement and apply pressure until a bead of cement appears at edges. Turn up on conduits, columns or any vertical protrusions a minimum of 4". Where two vapor barriers meet, cement thoroughly to make a watertight joint. Protect membrane after installation against damage by other trades prior to pouring.



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