

# TECHNICAL DATA SHEET

## 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:

- .010" weighing approximately .88 ounces per square foot
- .020" weighing approximately 1.68 ounces per square foot
- .030" weighing approximately 2.66 ounces per square foot
- .040" weighing approximately 4.0 ounces per square foot
- .056" weighing approximately 6.12 ounces per square foot

## Roll Sizes:

- .010, .020, .030, are in stock at 150 lineal feet and are available in 36", 48" and 60" widths
- .040 is in stock at 150 lineal feet and is available in 36" and 48" widths
- .056" is in stock at 100 lineal feet and is available in 36" and 48" widths
- All rolls can be cut to custom widths.

## CHARACTERISTICS

This material 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° over a 1/32" mandrel and then bent at the same point over the same size mandrel in the opposite direction through 360°. This material is suitably stabilized to resist exposure without physical deterioration when tested in accordance with ASTM standards D-822 for a period of not less than 400 hours. It is resistant to acids, alkalis, and caustics.

## Recommended for concealed applications only.

Use an asphalt based flashing adhesive.

## MODEL SPECIFICATIONS

### Special Requirements:

- 1) Protect all adjacent work from damage by work performed under this section.

All materials specified should be delivered to the job site in manufacturers containers

## Preparation:

All surfaces to receive waterproofing will be smooth, hard, frost-free, thoroughly dry and clean to the satisfaction of the damp proofing contractor. Membrane will be applied as work progresses and in no case will 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 will be vinyl flashing as manufactured by Buster Enterprises, Inc.

## APPLICATION

### Foundation Damp Proofing:

Install material using the greatest width obtainable and lengths not to exceed 20'. The material will be applied vertically from top down and be laid in a full trowel coat of mastic adhesive using a notched trowel with a cement build-up of not less than 1/16" which is equivalent to approximately 50 square feet to the gallon. Lap membrane 6" at all joints. The surface of the membrane will be rolled in with a rubber hand roller forcing all air out causing cement to protrude around seams, eliminating all air entrapment. If wrinkles appear and are not gone in 24 hours, re-rolling will become necessary. Damp proofing material will be applied from exterior finish grade down to the bottom of foundation wall and tied in with waterproofing at footing. All conduits passing through the wall should be sealed with membrane and mastic adhesive. Prior to backfilling and after 48 hours has elapsed and after damp proofing has been inspected and approved, protect the membrane from damage by applying hardboard sheet or 1" polystyrene boards the full height of the wall, spotting sheets with mastic adhesive to prevent movement during backfilling operation.

## Slab Damp Proofing:

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

## Damp Proofing 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 mastic adhesive and apply pressure until a bead of cement appears at all 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.

## PHYSICAL CHARACTERISTICS

**Color:** Black

**Specific Gravity:** 1.28-1.35

**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 (grams/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 (5000 hrs):** No change; ASTM D-822

**Hardness Shore A:** 80; ASTM D-676

**Brittleness Temp:** 71°f (57°c); ASTM D-746

**Volatile Loss (24 hrs. 150°f [70°c]):** 1.05%; ASTMD-1203

**Water Vapor Transmission (Grams/100 Sq. Inch):** 0.24, 240 hrs. 212°f (100°c).

**Staining:** None, 240 hrs. 212°f (100°c).