



York Seal

40 mil Self-Adhering Flashing Membrane

Key Properties

- Waterproof & impermeable to moisture
- Superior adhesion-fully bonded
- Cross laminated polyethylene facer for tear resistance
- Low temperature adhesion & flexibility
- Impermeable to air, moisture vapor & water
- Through-wall flashing

Description

York Seal is a proprietary, self-adhering composite membrane, uniquely combining high strength, low temperature adhesion and high temperature stability into a superior barrier to limit air and moisture transmission. A tough 5 mil (0.1mm) high density polyethylene film forms a resilient barrier to physical damage. The proprietary, modified asphalt offers the waterproofing effectiveness of traditional modified bitumen products with low temperature adhesion.

York Seal composite is 40 mils (1.0mm) thick and is supplied in rolls of 75' long, custom slit to 12", 18", and 24" widths.

Uses

York Seal is used to prevent vapor and air transmission through masonry walls, construction joints and fittings around doors and windows. Acceptable surfaces include plywood, lumber, precast concrete, metal, exterior gypsum, and concrete block.

Application

Surface Preparation

- Concrete shall be in place for 7 days minimum. Substrate must be completely dry. Surface shall have a smooth finish free of voids, sharp protrusions, form release agents, be clean, dry and smooth. Block or brick walls shall have mortar joints struck flush.

Primer

- Surfaces to receive **York Seal** must be clean and dry. For best results, substrates must be primed.

Apply primer by spray, brush or with a long nap roller. At 75° allow primer to dry 1-hour minimum. Prime only areas to be waterproofed the same day, reprime if areas become dirty or wet.

Application

- Precut **York Seal** into manageable lengths to fit each location. Remove siliconized release liner and position membrane carefully before pressing in place. Self-adhering membranes must be rolled with a suitable hard roller to ensure the entire membrane is pressed firmly into the substrate, taking care to avoid air pockets and wrinkles. Overlap adjoining pieces 2 inches and seal edge with a mastic. Cut bottom edge back 1 inch from exterior surface of building and place on top of drip edge.
- Reinforcing strips on all inside and outside corners as well as mechanical fastening to door and window frames is strongly recommended for air barrier installations.

Terminations

- Press terminated edges firmly in place. The use of a surface mounted termination bar is recommended for vertical terminations. Horizontal terminations at end dams require a minimum 2-inch turn-up of membrane to form a tray and/or use preformed end dams from factory. Apply an approved sealant to all termination edges, laps, cuts, and penetrations.

TECHNICAL DATA YORK SEAL		
PROPERTY	TEST METHOD	MINIMUM VALUE
Tensile Strength, film	ASTM D 412	1200 PSI (min)
Elongation to Break (rubberized asphalt)	ASTM D 412	200%
Pliability, 180°, 1" mandrel -25°F (-4°C)	ASTM D 146	Pass
Peel Adhesion, Dry (concrete)	ASTM D 903	6 lb/in width
Puncture Resistance	ASTM E 154	50 lbs
Permeance	ASTM E 96B	0.05 perms (max)
Water Absorption	ASTM D 570	0.1% by weight (max)
Gap Spanability		1/4" or less

Packaging

- York Seal, 12" x 75', (75 sq ft), 3 rolls per box, 25 boxes per pallet
- York Seal, 18" x 75', (112.5 sq ft), 2 rolls per box, 25 boxes per pallet
- York Seal, 24" x 75', (150 sq ft), 1 roll per box, 30 boxes per pallet

Warnings and Hazards

Use in areas with adequate ventilation. Refer to MSDS for important warnings and safety information.

Safety, Storage and Handling

Pallets of membrane shall not be double stacked on the job site. Provide cover on top and sides, allowing for adequate ventilation. Avoid prolonged and repeated contact with the skin. Consult the Material Safety Data Sheet for the best available information on the safe handling, storage, personal protection, health and environmental considerations.

Limitations

- Not recommended in areas where membrane will be subject to temperatures in excess of 180°F.
- Do not apply membrane to a substrate that has absorbed water. Should be installed when air and surface temperatures are above 40°F.
- Do not apply primer or membrane to damp or contaminated surfaces.
- Do not span a gap 1/4" or greater.
- Not recommended for use with sealants containing coal tar or polysulfides.
- UV Exposure: 60 days.

Note: Failure to use adequate pressure at terminating edges will result in a poor seal.

