

York-Seal

40 mil Self-Adhering Flashing Membrane

Key Properties

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

Description

York-Seal is a 40 mil (1.0mm) thick 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 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.

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.

Available in:
12", 18", 24" x 75'
Custom sizes upon request.

Application

Surface Preparation

- Concrete shall be in place for 7 days minimum. The substrate must be completely dry. The surface shall have a smooth finish free of voids, sharp protrusions, form release agents, and be clean, dry, and smooth. Block or brick walls shall have mortar joints struck flush and **York-Seal** should not span a gap greater than 1/4".

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 75º, allow the primer to dry for 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 the siliconized release liner and position the membrane carefully before pressing it into 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 the edge with a mastic. Cut the bottom edge back 1 inch from the exterior surface of the building and place it on top of the drip edge.
- Reinforcing strips on all inside and outside corners as well as mechanically fastening to the 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 the membrane to form a tray and/or use preformed end dams from the 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)

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 safe handling, storage, personal protection, health, and environmental considerations.

Limitations

- Not recommended in areas where the membrane will be subject to temperatures above 180°F.
- Do not apply the 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.
- Avoid using with products that have high levels of plasticizers.