



# York Seal

## 40 mil Self-Adhering Flashing Membrane

### Key Properties

- **Superior Adhesion**
- **Cross Laminated Poly Facer for Tear Resistance**
- **Low Temperature Adhesion and Flexibility**
- **Impermeable to Air, Moisture Vapor and Water.**

### 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", 24" and 36" widths.

### Uses

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

### Installation

#### 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, concrete, masonry and exterior gypsum 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. Press firmly in place with a steel hand roller, taking care to avoid air pockets and wrinkles. Overlap adjoining pieces 2 inches and seal edge with a mastic. Cut bottom edge back 1/2 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 York Cop-R-Tite Flashing Mastic to all termination edges, laps, cuts, and penetrations.

TECHNICAL DATA YORK SEAL		
PROPERTY	TEST METHOD	MINIMUM VALUE YORK SEAL
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

Specification Bulletin 219

- 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
- York Seal, 36" x 75', (225 sq ft), 1 roll per box, 25 boxes per pallet
- York Cop-R-Tite Flashing Mastic, 30 oz. tubes, 20 tubes per case or 5-gallon pails, 36 pails per pallet

### Warnings and Hazards

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

### Storage

Protect material from excessive heat and cold. Store materials away from open flame, sparks, or welding. For outside storage, protect materials from direct sunlight, rain or other harmful environmental conditions.

### Limitations

- Not recommended in areas where membrane will be subject to continuous sunlight or temperatures in excess of 180°F.
- Do not apply primer or membrane to frozen substrate. Should be installed when air and surface temperatures are above 20°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.**

### Limited Warranty

York Manufacturing, Inc. warrants this product to be free of material defects for five years from the time of shipment from our factory. If any York Seal materials prove to contain manufacturing defects that substantially affect its performance, York will, at its option, replace the materials or refund its purchase price.

This limited warranty is the only warranty extended by York with respect to its materials. There are no other warranties, including the implied warranties of merchantability and fitness for a particular purpose. York specifically disclaims liability for any incidental, consequential, or other damages including but not limited to, loss of profits or damages to a structure or its contents, arising under any theory of law whatsoever.

The dollar value of York's liability and buyer's remedy under their limited warranty shall not exceed the purchase price of the York material in question.