

# ACP VAPOR PROTECTOR 30/40/30

## S-VAPOR™ PROTECTOR SPECIFICATIONS

### DESCRIPTION & USE

- Manufactured from two plies of high strength kraft paper, laminated together with a specially modified asphalt
- Edges are reinforced with fiberglass for strength and tear resistance during construction
- Designed to restrict moisture vapor from passing into conventional low slope roof assemblies
- Ideal for use in buildings located in colder climatic regions that are subject to strong wintertime vapor drives

### FEATURES & BENEFITS

- **INEXPENSIVE ROOF PROTECTION** - Helps protect the roof assembly from the damaging effects of internal building humidity
- **EDGE REINFORCED** - To better resist accidental tearing during construction
- **RESISTANT TO HOT BITUMEN** - Will not melt or deteriorate when in contact with hot bitumen
- **EXCELLENT ADHESION** - Adheres well to hot bitumen and most insulation adhesives
- **WORKS WITH MECH. FAST. INSULATION** - Performance of S-Vapor™ Protector is not significantly impaired by mechanically fastened insulation or membrane



### TECHNICAL DATA

MVTR (Unaged) MVTR (Aged) (ASTM E-96, Proc. A)	30 ng/Pa•s•m2 (0.50 perms) 33 ng/Pa•s•m2 (0.55 perms)
Tensile Strength CD Tensile Strength MD	5.2 kN/m (30.0 lbf / in) 9.7 kN /m (55.0 lbf / in)
Shrinkage	Negligible
Flexibility @ 15°C (5°F)	Excellent
Weight	0.163 kg/m2 (3.4 lbs/100ft2)
Roll Sizes	96" x 125 linear feet 96" x 250 linear feet Customer special requirements

### APPROVALS & COMPLIANCES

Factory Mutual: FM Class 1 Roof  
Construction Class number 4470

### LIMITATIONS

- Though used in fire-rated assemblies, S-Vapor™ Protector is flammable. Keep torch flames away.
- S-Vapor™ Protector should be kept dry during construction. The adhesive and sealing characteristics of the membrane will be impaired if the surface is wet.



FOR MORE DETAILS ABOUT THIS PRODUCT, DO NOT HESITATE TO ASK YOUR USUAL SUPPLIER, OR GET IN TOUCH WITH OUR CUSTOMER SERVICE AT **819-845-7866 X 223**  
**WWW.ATLANTICCOATEDPAPERS.COM**



**Proudly made in North America**  
by Atlantic Coated Papers

# ACP VAPOR PROTECTOR 30/40/30

## S-VAPOR™ PROTECTOR INSTALLATION GUIDE

### INSTALLATION

1. Store S-Vapor™ Protector retarder at the job site in a clean, dry location above the ground. Protect rolls from cuts, nicks and other abuse.
2. Only install as much S-Vapor™ Protector (and insulation) as can be completely protected by the roofing membrane each day. Do not install S-Vapor™ Protector in rain or inclement weather.
3. Broom clean the deck prior to installation, removing all dirt, debris, oil and grease. Substrate must be free of all sharp or protruding objects that could tear the S-Vapor™ Protector membrane.
4. If applying to a fluted steel deck, S-Vapor™ Protector must be installed parallel to the flutes, with all overlaps centered over an upper flute. Overlaps must be a minimum of 2" (50 mm), ends; 6" (150 mm).
5. **FULLY ADHERED APPLICATION:** Apply continuous parallel ribbons of adhesive on 6" (15 cm) centers over the area to be covered by the S-Vapor™ Protector roll (centered along each flute on steel decks) at the rate of 0.16 l / m<sup>2</sup> (0.4 gallons / 100 ft<sup>2</sup>). Ensure that one ribbon of adhesive is applied to the top of any previous roll's edge to seal the overlap. Unroll the S-Vapor™ Protector into the adhesive, ensuring a positive contact. Roll the overlaps with a roller to ensure a good seal. Repeat this procedure for all subsequent rolls, sealing all end overlaps with a minimum 6" (150 mm) wide strip of adhesive.
6. **LOOSE LAID APPLICATION:** (Acceptable only if ballasting or mechanically fastening insulation over S-Vapor™ Protector): unroll the first S-Vapor™ Protector roll and immediately install the (ballasted or mechanically fastened) roof insulation over top, leaving at least one foot (30 cm) of S-Vapor™ Protector exposed on all sides. Using a brush or roller, liberally apply a minimum 2" (50 mm) wide strip of adhesive to the upper surface of the overlaps and a 6" (150 mm) wide strip of adhesive to the upper surface of the end overlaps. Unroll the next S-Vapor™ Protector roll, overlapping the previous roll the required distance to form the seam. After rolling the seam area to ensure a good seal, continue positioning insulation over the overlap and onto the adjacent S-Vapor™ Protector roll. Repeat this procedure for the remaining area to be covered.
7. **FLASHING:** Apply adhesive to the substrate and adhere the S-Vapor™ Protector tightly around the seam. Cut pieces of S-Vapor™ Protector [minimum 2" (50 mm) wider on all sides than the affected area] may be adhered in liberal applications of adhesive to ensure a tight seal. At perimeters, carry the S-Vapor™ Protector up to the upper level of the roof insulation and adhere it to the underside of the roof membrane with a membrane compatible adhesive. Use good flashing practices to ensure a moisture tight seal.
8. **EXPANSION JOINTS:** Ensure that adhesive is applied to either edge of the expansion joint. Carry S-Vapor™ Protector over the expansion joint but provide sufficient slack to allow for the maximum expected expansion of the joint. Press the S-Vapor™ Protector into the adhesive on either side of the joint.

### APPROVALS & COMPLIANCES

S-Vapor™ Protector is a Factory Mutual approved, bitumen resistant Type II S-Vapor™ Protector in accordance with CAN/CGSB 51-33-M89, consisting of a kraft / asphalt / kraft lamination, edge reinforced with fiberglass strands and demonstrating a typical moisture vapor transmission rate of [30 ng/Pa•s•m<sup>2</sup>; 0.5 perms] according to ASTM E 96, Procedure.

