

ACP VAPOR PROTECTOR 30/40/30™

VAPOR BARRIER 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 ACP Vapor Protector 30/40/30™ 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•m ² (0.50 perms) 35 ng/Pa•s•m ² (0.65 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/m ² (3.4 lbs/100ft ²)
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
- CAN/CGSB-51.33-M89 Type 2

LIMITATIONS

- Though used in fire-rated assemblies, ACP Vapor Protector 30/40/30™ is flammable. Keep torch flames away.
- ACP Vapor Protector 30/40/30™ 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 224**
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ACP VAPOR PROTECTOR 30/40/30

INSTALLATION GUIDE

INSTALLATION

1. Store ACP Vapor Protector 30/40/30™ 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 ACP Vapor Protector 30/40/30™ (and insulation) as can be completely protected by the roofing membrane each day. Do not install ACP Vapor Protector 30/40/30™ 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 ACP Vapor Protector 30/40/30™ membrane.
4. If applying to a fluted steel deck, ACP Vapor Protector 30/40/30™ 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 ACP Vapor Protector 30/40/30™ roll (centered along each flute on steel decks) at the rate of 0.16 l / m² (0.4 gallons / 100 ft²). Ensure that one ribbon of adhesive is applied to the top of any previous roll's edge to seal the overlap. Unroll the ACP Vapor Protector 30/40/30™ 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 ACP Vapor Protector 30/40/30™): unroll the first ACP Vapor Protector 30/40/30™ roll and immediately install the (ballasted or mechanically fastened) roof insulation over top, leaving at least one foot (30 cm) of ACP Vapor Protector 30/40/30™ 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 ACP Vapor Protector 30/40/30™ 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 ACP Vapor Protector 30/40/30™ roll. Repeat this procedure for the remaining area to be covered.
7. **FLASHING:** Apply adhesive to the substrate and adhere the ACP Vapor Protector 30/40/30™ tightly around the seam. Cut pieces of ACP Vapor Protector 30/40/30™ [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 ACP Vapor Protector 30/40/30™ 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 ACP Vapor Protector 30/40/30™ over the expansion joint but provide sufficient slack to allow for the maximum expected expansion of the joint. Press the ACP Vapor Protector 30/40/30™ into the adhesive on either side of the joint.

APPROVALS & COMPLIANCES

ACP Vapor Protector 30/40/30™ is a Factory Mutual approved, bitumen resistant Type II ACP Vapor Protector 30/40/30™ 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•m²; 0.5 perms] according to ASTM E 96, Procedure.

