

VaproSilicone Transition™ Materials

provide a water and airtight transition of WRB/Air Barrier membranes for areas requiring high movement. Product No.: 89874500, 89874800, 89875300

Product Description

VaproSilicone Transition Materials are 100% translucent silicone specifically designed to provide a water and airtight transition of WRB/Air Barrier membranes for expansion joints, curtain walls, store fronts and window transitions.

BASIC USE

VaproSilicone Transition Materials combined with VaproBond™, a 100% silicone sealant, create water and airtight transition of WRB/Air Barrier membranes for expansion joints, curtain walls, store fronts and window transitions.

MATERIALS

100% translucent silicone elastomer sheet

BENEFITS

- High movement capacity, +200/-50 percent
- Excellent weatherability; UV stable
- Extremely durable and tear resistant
- Usable over a wide temperature range, -60° to 300°F (-51° to 149°C)
- Provides an air and watertight seal where sealants and backer rods are not feasible
- Translucent material clearly reveals the complete bonding of VaproBond sealant to the substrate, eliminating the need for mechanical fastening
- Remains flexible under extreme temperatures
- Highly tear resistant

COMPATIBILITY

VaproSilicone Transition Materials are compatible with all types of building materials.

VaproBond is compatible with:

- Concrete
- Masonry
- Natural stone
- Structural sheathing
- Painted Metals
- Glass
- PVC
- FRP
- EPDM
- Architectural Metal Panels
- Most building materials, urethane, and acrylic sealants and coatings

Contact VaproShield Technical if you have additional compatibility questions.



SIZES

VaproSilicone Transition Materials are available in 4", 6", 9" x 50ft. (102mm, 152mm, 227mm x 15m)

Installation

STORAGE AND HANDLING

Store VaproSilicone Transition Materials and VaproBond adhesive sausages at temperatures lower than 80 °F (27 °C). VaproSilicone Transition Materials have unlimited shelf life when stored at temperatures consistent with normal warehouse conditions. See VaproBond product data sheet for additional information.

SAFETY

When using the VaproBond adhesive, use with adequate ventilation, safety equipment, and jobsite controls during application and handling. Review VaproBond SDS for comprehensive information.

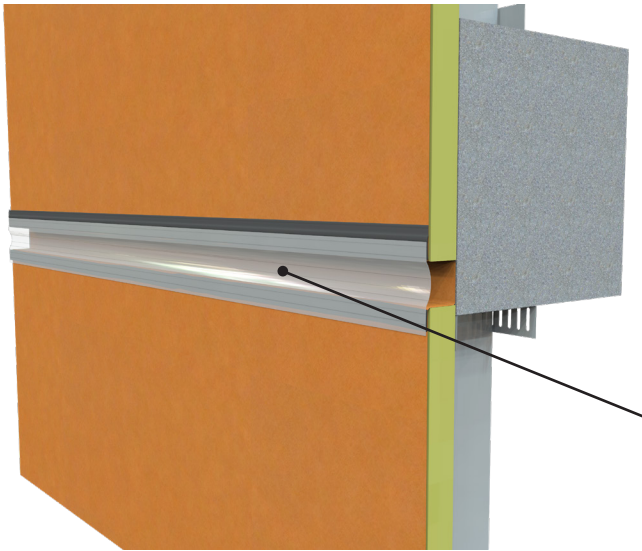
PREPARATION

VaproBond adhesive is specifically designed for adhesion to VaproShield membranes and VaproSilicone Transition Materials. To ensure best results, apply to clean surfaces free of contaminants. Chemical residues, surface coatings or films may adversely affect adhesion. See VaproBond Adhesive Product Data Sheet information.

Best Practice for VaproBond: *always test a small area of each surface to confirm suitability and desired results before starting overall application. Test with the same equipment, recommended surface preparation, and applications procedures planned for general application.*

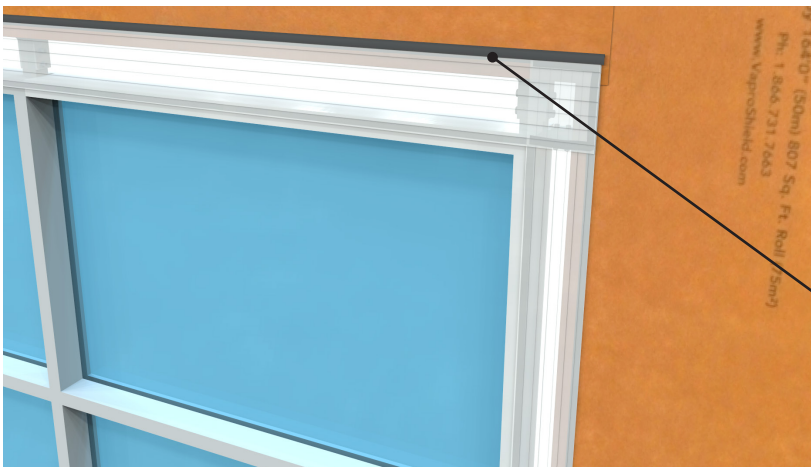
Typical VaproSilicone Transition Material Applications

FLOOR LINE MOVEMENT JOINT




Use a combination of VaproBond sealant and VaproSilicone Transition Sheet between floors to accommodate floor line movement joints.

CURTAIN WALL MOVEMENT JOINT



VaproSilicone Transition Materials create a continuous seal, without reverse laps, to accommodate natural building movement.

ACCESSORIES

Product	Part No.	Roll Sizes
VaproBond Modified Silicone Adhesive Sealant 	60309800	20 oz (.57 kg) Sausage Coverage 100 Lin. Ft (30.5 Lin. M)

LIMITATIONS

VaproSilicone Transition Materials are not intended for use in the following:

- Water immersion or below grade or in locations designed to be continuously immersed in water
- Do not install over sharp edges

SURFACE AND AIR TEMPERATURES

VaproSilicone Transition Materials do not have surface or air temperature restrictions.

Surface and ambient temperatures for VaproBond should be above -50°F (-45°C) and below 300°F (149°C) during application and drying. See VaproBond Adhesive Product Data Sheet information.

EQUIPMENT

Use basic hand tools to cut and trim VaproSilicone Transition Materials.

VaproBond Application: Sausage. Apply using a professional sausage gun. Use a DRY joint knife, trowel, spatula, roller, or brush to spread the product.

CURING AND DRYING

VaproSilicone Transition Materials do not have a curing or drying time.

At 77°F (25°C) and 50% relative humidity, VaproBond is tack-free in 25-35 minutes. Higher temperature and/or humidity will shorten this time. Cured service temperatures: -50° to 300°F (-45° to 149°C).

BEST PRACTICE INSTALLATION

Apply according to installation instructions. Visit VaproShield.com for step-by-step installation instructions, details, and VaproBond coverage information.

Safety Information

FIRST AID

No special precautions are necessary for first aid responders.

Availability

VaproShield products are available throughout North America, Central and South America, and New Zealand.

Warranty

A 20-year material warranty is available.

TESTING DATA

PROPERTY	STANDARD	RESULT
Service Temperature	ASTM D736 Method of Test for Low-Temperature Brittleness of Rubber and Rubber-Like Materials	-60° to 300°F (-51° to 149°C)
Compression Set	ASTM D395 Standard Test Methods for Rubber Property—Compression Set	0
Dynamic (cyclic) Movement Capability (%)	ASTM C1523 Standard Test Method for Determining Modulus, Tear and Adhesion Properties of Precured Elastomeric Joint Sealants	+200/-50
Elongation (%)	ASTM D412 Standard Test Methods for Vulcanized Rubber and Thermoplastic Elastomers—Tension	400
Hardness (Shore A)	ASTM C661 Standard Test Method for Indentation Hardness of Elastomeric-Type Sealants by Means of a Durometer	25
Recovery (%)	ASTM D736 Method of Test for Low-Temperature Brittleness of Rubber and Rubber-Like Materials	100
Staining/Color Change	ASTM C510 Standard Test Method for Staining and Color Change of Single- or Multicomponent Joint Sealants	None
Tear Strength (ppi)	ASTM D624 Standard Test Method for Tear Strength of Conventional Vulcanized Rubber and Thermoplastic Elastomers	20
Tensile Strength (psi)	ASTM D412 Standard Test Methods for Vulcanized Rubber and Thermoplastic Elastomers—Tension	295