

Sika® MultiSeal Plus

High Tack Ethylene Propylene Copolymer Self-Adhering Tape and Flashing Sheet with UV Resistant TPO Top Film Membrane

Technical Product Data (typical values) *Results may differ based upon statistical variations depending upon mixing methods and equipment, temperature, application methods, test methods, actual site conditions and curing conditions.

Chemical base	Ethylene Propylene Copolymer
Mastic Color	Gray
UV Resistant TPO Top-Film Membrane Colors	White, Gray
Total Thickness	37 mil (nominal) (TPO Top-Film Membrane Thickness = 5 mil)
Total solids (ASTM C 771)	100 %
Penetration (ASTM D 217) (mastic only) +/- 2°F/ 300 gr.	cone at 77°F 84 to 110 (8.4 to 11.0 mm)
Flexibility (ASTM C 765)	No cracking or loss of adhesion at -22°F (-30°C) when bent around 3/8" mandrel (9.5mm)
Elongation ¹ (ASTM D412)	700 % minimum
Membrane Tensile Strength (ASTM D412)	3800 psi
Vehicle bleed out (ASTM C 772)	158°F (70°C) for 21 days No exudation of vehicle on Whatman No.40 filter paper.
Tensile adhesive strength ¹ (ASTM C 907)	13 psi (typical failure mode 100% cohesive)
Measured Flow (ASTM D5147)	Pass
Low Temperature Flexibility -22°F (30°C) (CGSB 37-GP-56M)	Pass
Moisture Absorption (ASTM D903)	Pass (1g absorption)
Application Temperature	Standard Applications Thru-Wall Applications 40°F to 90°F (4°C to 32°C) 25°F to 90°F (-4°C to 32°C)
Adhesion to Concrete (ASTM D903)	6 lbf/in
Adhesion to DensGlass® Gold (ASTM D903)	6 lbf/in
Weatherability (ASTM G 53) (1000 h exposure)	Excellent condition; no loss of adhesion, flexibility or softness, no loss of rubbery characteristics.
Service temperature	permanent -22°F to 180°F (-30°C to 82°C)
Shelf life (storage below 80°F (27°C))	18 months

¹⁾ 77°F (25°C)

Description

Sika® MultiSeal Plus Ethylene Propylene Copolymer Tape and Flashing Sheet is a high performance, industrial grade self-adhered tape & flashing sheet. Sika® MultiSeal Plus consists of a non-release UV resistant TPO top film membrane laminated to a high tack, non-drying and non-hardening reinforced rubber compound with inert inorganic, non-asbestos fillers. It is specially designed for use as a

waterproof barrier and thru-wall flashing membrane.

Sika MultiSeal® has superior weathering characteristics and retains adhesion and elasticity for prolonged periods. Sika® MultiSeal Plus is manufactured in accordance with ISO 9001 / 14001 quality assurance system and the Responsible Care Program.

Product Benefits

- Very tacky adhesion

- Good green strength
- Adheres to a variety of substrates
- Low VOC's
- Almost odorless
- Can be laminated to a variety of substrates for diverse applications
- Wide temperature service range
- Tough, durable tear-resistant, UV resistance, flexible membrane
- Priming is not required on concrete or Densglass® Gold

Industry



Areas of Application

Sika® MultiSeal Plus Tape & Flashing Sheet is specifically formulated to seal joints and provide a waterproof barrier when applied over prepared substrates. Acceptable substrates include EPDM, TPO, metals, Kynar steel, and substrates typically found on trucks, trailers, RV's, metal buildings, storage tanks, HVAC cabinets and duct work. Sika® This product is not recommended for sealing PVC sheeting. MultiSeal Plus Tape & Flashing Sheet is also intended to be used as a thru-wall flashing membrane in cavity wall construction when used in conjunction with Sikagard 530 and other Sika Liquid Applied Vapor Permeable Air Barrier Systems. This product is suitable for experienced professional users only. Tests with actual substrates and conditions have to be performed by the end user to ensure adhesion, function, durability, and material compatibility. Applications involving water immersion may require special substrate pre-treatment. See the Limitation section.

Chemical Resistance

Excellent resistance to water, ozonated water, water vapor and alcohols. Fair to weak resistance for acids and bases. Poor resistance to organic solvents. The above information is offered for general guidance only. Advice on specific applications will be given on request.

Method of Application

Repair Tape

Specific advise on use as a repair tape only is available from the Technical Service Department of Sika Industry at tsmh@sika.us.com.

Thru-Wall Application

Acceptable substrates are precast concrete, cast-in place concrete, concrete block, primed steel, aluminum mill finish, anodized aluminum, galvanized metal, gypsum board, wood and Sikagard® 530 Liquid Applied Vapor

Further information available at:
www.sikausa.com

Sika Corporation
Industry Division
30800 Stephenson Highway
Madison Heights, MI 48071
USA
Tel. 248 577 0020
Fax 248 577 0810

Permeable Air Barrier Systems. All surfaces to receive Sika® MultiSeal Plus Tape & Flashing Sheet must be clean of oil, dust and excess mortar. Strike masonry joints flush. Concrete surfaces must be smooth and without large voids, spalled areas or sharp protrusions. Concrete must be cured a minimum of 14 days and must be dry before Sika® MultiSeal Plus Tape & Flashing Sheet is applied.

Sika® MultiSeal Plus Tape & Flashing Sheet is designed for permanent exposure and may be installed direct to concrete or Densglass Gold without the aid of primers or other surface conditioners. Alternatively, Sikagard® 510 or Sikagard® 530 may be used for priming. Applications to wood require the use of Sikagard® 510 or Sikgard® 530 as a primer. Material should be conditioned at room temperature for ease of application. Cut the desired length of Sika® MultiSeal Plus Tape & Flashing Sheet, remove release paper, position into place and apply positive pressure using a roller. Use care to avoid blisters or wrinkles. Overlap all joints by 2 inches. Keep Sika® MultiSeal Plus Tape & Flashing Sheet back about ½ inch from outside face of wall or veneer. At all laps, seams, penetrations, and along top edges of membrane apply a continuous bead of Sikaflex®-11 FC sealant as termination seal. Form end dams as required with same sealant. Apply under dry conditions when air and surface temperatures are above 25 degrees F. Top or leading edge of Sika® MultiSeal Plus Tape & Flashing Sheet should be sealed with a Sikaflex Sealant to limit rainwater from migrating behind the membrane.

For further advice on use as a thru-wall flashing, contact Sika Technical Services at 1-800-933-SIKA(7452)

Limitation

Substrate must be clean, dry and free of frost and all contaminants. Verify priming requirements before the start of each project.

Applications involving water immersion may require special priming of substrates.

Removal

Sika® MultiSeal Plus may be removed from tools and equipment with mineral spirit or another suitable solvent. **STRICTLY FOLLOW SOLVENT MANUFACTURER'S WARNINGS AND INSTRUCTIONS FOR USE.** Following use wash hands with soap and water. Do not use solvents on hands!

CAUTION: IRRITANT.

Slight Irritant: No respiratory effects known, however may be slightly irritating to the skin and can be a mechanical irritant if contacted with eye. Can cause discomfort if ingested.

HMIS

Health	1
Flammability	1
Reactivity	0
Personal Protection	B

First Aid Measures

Wash with soap and water if skin irritation develops. Guard against further contact. Rinse eyes with water to remove material.

Further Information

For further information and advice regarding transportation, handling, storage and disposal of chemical products, users should refer to the actual Safety Data Sheets containing physical, ecological, toxicological and other safety related data. It is highly recommended to read the actual Safety Data Sheet before using the product.



- KEEP OUT OF REACH OF CHILDREN
- NOT FOR INTERNAL CONSUMPTION
- FOR INDUSTRIAL USE ONLY
- KEEP CONTAINER TIGHTLY CLOSED

Copies of the following publications are available on our website www.sikausa.com:

- Safety Data Sheets
- Product Data Sheet

In case of emergency call:
Chemtrec: 800-424-9300
International: 703-527-3887

Packaging Information

Rolls	Multiple sizes
Thru-Wall Packaging	Rolls of 12.5" x 50', 2 rolls per carton, color - white (#410595) Other sizes are available, certain restrictions may apply

Value Basis

All technical data stated on this Product Data Sheet are based on the results of laboratory tests only. Actual measured data in the field may vary due to site specific conditions which are not known to Sika and beyond our control.

Clean Up

Scrape up and put into suitable container. Dispose of in accordance with Federal, State and Local environmental regulations.

Limited Material Warranty

SIKA warrants this product for one year from date of installation to be free from manufacturing defects and to meet the technical properties on the current Product Data Sheet if used as directed within shelf life. User determines suitability of product for intended use and assumes all risks. Buyer's sole remedy shall be limited to the purchase price or replacement of

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Sika Corporation
 Industry Division
 30800 Stephenson Highway
 Madison Heights, MI 48071
 USA
 Tel. 248 577 0020
 Fax 248 577 0810

