

UltraSpan™ UST/USM

UST – Pre-Cured Silicone Transition Sheet

USM – Pre-Cured Silicone Molded Corners

Product Description

UltraSpan UST2200 transition sheet and USM corners are low modulus pre-cured silicone rubber accessories for flashing and transition applications in the Elemax™ 100% silicone air & water-resistive barrier system.

Key Features and Typical Benefits

Performance

- **Silicone Durability** – UltraSpan UST/USM Pre-cured silicone rubber exhibits excellent long-term resistance to natural weathering, including: ultraviolet radiation, high and low temperatures, rain and snow, with negligible change in elasticity.
- **UV Resistant** – May be left exposed indefinitely to UV.
- **Thermal Stability** – Remains elastic over a wide temperature range. Does not harden or become brittle under very cold conditions and does not soften or melt in high heat.
- **Flexible** – Low modulus UST/USM silicone rubber imparts low strain to moving substrate surfaces and maintains flexibility at transition areas and board joints.
- **Permeable** – Transition silicone is vapor permeable allowing the entire air & water barrier system to breathe, not just the coated wall areas.

Application

- **Silicone Compatibility** – Full chemical and adhesive compatibility with all Elemax AWB silicone sealants, liquid flashing, and coatings.
- **Contact Verification** – Product is currently available in translucent to allow easy visual confirmation of continuous sealant/liquid flashing contact.

Aesthetics

- **Product Offering** – UltraSpan UST/USM silicone rubber is available in multiple standard widths and shapes. Custom widths and shapes are also available.

Potential Applications

UltraSpan UST2200 silicone strips/sheets are excellent products to consider for:

- Transitioning between differing and/or intersecting construction materials
- Flashing at rough openings, sheathing joints, terminations and adjacent materials
- Treating expansion joints and drift joints
- USM silicone corners are excellent products to consider for:
 - Protecting and sealing rough opening corners
 - Creating flexible sill pans and end dams

Packaging

UltraSpan UST2200 silicone strips are currently available in 100 foot rolls. Standard widths are: 4", 6" and 12" (76 mm, 152 mm and 305 mm). Custom UST silicone sheets are currently available in flat sizes up to 48 inches (1220 mm) wide. Minimums apply. USM silicone corners come 24 pieces per box.

Colors

UltraSpan UST2200 silicone strips and USM molded corners are currently available in translucent and black.

Typical Physical Properties

Typical physical property values of UltraSpan UST/USM pre-cured silicone transition sheet & molded accessories as supplied and cured are set forth in the tables below.

Typical Properties - Supplied

Property	Value ⁽¹⁾	Test Method
Consistency	Elastomeric silicone rubber	

Typical Properties - Cured

Property	Value ⁽¹⁾	Test Method
Hardness	35 +/- 5	ASTM D2240
Ultimate Tensile Strength	765 psi (5.38 MPa)	ASTM D412
Ultimate Elongation	599%	ASTM D412
Permeance (UST)	6.42	ASTM E96
Tear Strength	70 ppi	ASTM D624
Service Temperature Range	+400°F (204°C)	

(1) Typical properties are average data and are not to be used as or to develop specifications.

Installation

- UltraSpan UST/USM silicone rubber is not self-adhesive. These products are adhered to the assembly by embedding them into SilPruf™ sealant, SWS™, or Elemax™ 5000 Liquid Flashing, or in some cases (in-plane transitions only), with Elemax 2600 AWB coating.
- Staples may be used to assist in positioning the UST/USM silicone rubber in place, when applicable.
- UltraSpan UST/USM silicone rubber is easily cut or trimmed using scissors.

Note: UltraSpan UST/USM silicone rubber is not recommended:

- Where frequent abrasion or physical abuse may be encountered or for below grade applications.

Surface Preparation

- Surfaces must be clean, dry and sound. For additional surface preparation information, refer to the technical data sheet of the sealant, liquid flashing, or coating being used to apply the UltraSpan UST/USM silicone rubber.

UltraSpan USM Transition Sheet

- Measure and cut the UST transition sheets into manageable lengths.
- Dry fit the UST transition sheet and trim if necessary while ensuring sufficient length for required bonding allowances.
 - **When using sealant Elemax 5000 Liquid Flashing to adhere UST silicone sheets**, apply the sealant/liquid flashing and trowel thin to an area slightly larger than the UST silicone sheet to be bonded. Using hand pressure, seat the UST transition sheet into the sealant/liquid flashing immediately so it is applied before the sealant/liquid flashing begins to form a skin. Small adjustments to the UST silicone sheet may be made at this time, but complete lifting of the seated material and reapplying to the substrate should be avoided. Use a suitable roller to predominately embed the UST silicone sheet into the sealant/liquid flashing and work entrapped air out towards the edge to bond it into its final location. All edges of the UST silicone sheet must be firmly embedded in sealant/liquid flashing. If necessary, apply additional sealant/liquid flashing to the edges of the UST silicone sheet, and trowel smooth.
 - **When using Elemax 2600 AWB coating to adhere UST transition sheets**, apply a first coat by roller in sufficient width and slightly larger than the UST silicone sheet area to be bonded. Press UST silicone sheet(s) into the coating while still wet or tacky. Apply a second coat of Elemax 2600 AWB immediately over the UST silicone sheet to embed it into the first applied coat. Note: Only use Elemax 2600 AWB to bond UST silicone sheets on flat surfaces. When applying UST silicone transitions around or into corners, use sealants/liquid flashing as the adhesive.

Installation-continued

UltraSpan USM Molded Corners

- Check for fit of pre-molded corners noting or marking extent of part in final position. Apply sealant/liquid flashing and trowel thin to an area slightly larger than the USM to be bonded. Using hand pressure seat the USM into the sealant/liquid flashing immediately so it is applied before the sealant/liquid flashing begins to form a skin. Small adjustments to the USM may be made at this time. Lap neighboring UST/USM silicone rubber 2" minimum and sequence installation of UST/USM silicone sheets to provide shingled laps.
- Apply a small amount of silicone sealant/liquid flashing to the edges of the USM and trowel smooth making sure that all edges are fully embedded with silicone sealant/liquid flashing.

Patent Status

Nothing contained herein shall be construed to imply the nonexistence of any relevant patents or to constitute the permission, inducement or recommendation to practice any invention covered by any patent, without authority from the owner of the patent.

Product Safety, Handling and Storage

Customers considering the use of this product should review the latest Safety Data Sheet and label for product safety information, handling instructions, personal protective equipment if necessary, and any special storage conditions required. Safety Data Sheets are available at www.siliconesforbuilding.com or, upon request, from any MPM representative. Use of other materials in conjunction with MPM sealants products (for example, primers) may require additional precautions. Please review and follow the safety information provided by the manufacturer of such other materials.

Customer Service Centers

North America - America, Canada	+1 800 295 2392 Toll free Email: commercial.services@momentive.com
Latin America	Brazil +55 11 5128-4222 Direct Number Email: contato@momentive.com Mexico +52 55 2169 7670 Direct Number Email: commercial.services@momentive.com
EMEIA - Europe, Middle East, Africa, and India	Europe +39 0875 758888 Direct Number Middle East, Africa and India + 91 44 71212207 Direct Number* *All Middle Eastern countries, Africa, India, Pakistan, Bangladesh, Sri Lanka Email: 4information.eu@momentive.com
APAC - Asia Pacific	China 800 820 0202 Toll free +86 21 3860 4928 Direct Number Japan Sales: JP.Silicones@momentive.com South Korea +82 2 3495 2141 Direct Number South East Asia, Australia & New Zealand +60 3 8309 8088 Direct Number* *South East Asia countries (Malaysia, Singapore, Thailand, Indonesia, Vietnam, Philippines, Cambodia, Myanmar / other countries located in Pacific region).
MyMomentive™ Order Management Site	shop.mymomentive.com

THE MATERIALS, PRODUCTS AND SERVICES OF MOMENTIVE PERFORMANCE MATERIALS INC. AND ITS SUBSIDIARIES AND AFFILIATES (COLLECTIVELY "SUPPLIER"), ARE SOLD SUBJECT TO SUPPLIER'S STANDARD CONDITIONS OF SALE, WHICH ARE INCLUDED IN THE APPLICABLE DISTRIBUTOR OR OTHER SALES AGREEMENT, PRINTED ON THE BACK OF ORDER ACKNOWLEDGMENTS AND INVOICES, AND AVAILABLE UPON REQUEST. ALTHOUGH ANY INFORMATION, RECOMMENDATIONS, OR ADVICE CONTAINED HEREIN IS GIVEN IN GOOD FAITH, SUPPLIER MAKES NO WARRANTY OR GUARANTEE, EXPRESS OR IMPLIED, (i) THAT THE RESULTS DESCRIBED HEREIN WILL BE OBTAINED UNDER END-USE CONDITIONS, OR (ii) AS TO THE EFFECTIVENESS OR SAFETY OF ANY DESIGN INCORPORATING ITS PRODUCTS, MATERIALS, SERVICES, RECOMMENDATIONS OR ADVICE. EXCEPT AS PROVIDED IN SUPPLIER'S STANDARD CONDITIONS OF SALE, SUPPLIER AND ITS REPRESENTATIVES SHALL IN NO EVENT BE RESPONSIBLE FOR ANY LOSS RESULTING FROM ANY USE OF ITS MATERIALS, PRODUCTS OR SERVICES DESCRIBE HEREIN. Each user bears full responsibility for making its own determination as to the suitability of Supplier's materials, services, recommendations, or advice for its own particular use. Each user must identify and perform all tests and analyses necessary to assure that its finished parts incorporating Supplier's products, materials, or services will be safe and suitable for use under end-use conditions. Nothing in this or any other document, nor any oral recommendation or advice, shall be deemed to alter, vary, supersede, or waive any provision of Supplier's standard Conditions of Sale or this Disclaimer, unless any such modification is specifically agreed to in a writing signed by Supplier. No statement contained herein concerning a possible or suggested use of any material, product, service or design is intended, or should be construed, to grant any license under any patent or other intellectual property right of Supplier covering such use or design, or as a recommendation for the use of such material, product, service or design in the infringement of any patent or other intellectual property right.

Before purchasing or using any Momentive products, please visit www.siliconeforbuilding.com/legaldisclaimer to view our full product and sales disclaimer.

The use of the "TM" symbol designates registered or unregistered trademarks of Momentive Performance Materials Inc., or its affiliated companies.

Copyright 2026 Momentive Performance Materials Inc. All rights reserved.



Licensed Partner

siliconesforbuilding.com