



# JTS 1

## Joint & Termination Sealant



### PRODUCT DATA SHEET

#### DESCRIPTION

JTS 1, a joint and termination sealant, is a fast curing, 100% solids, non-shrink, performance sealant for use in multiple types of construction where significant movement or vibration is expected. Ideal for roof terminations and expansion joints. Adheres to wet surfaces and will cure under water. Contains no solvents and has minimal odor. Sealant has excellent adhesions to concrete, masonry, EPDM, PVC, wood, vinyl and most other common building materials. MuleHide Si TPO Primer is required for application to TPO membranes.

#### COLORS

- Black, Bronze, Clear, Gray, Limestone, Medium Bronze, Terra Cotta, White, Wicker Tan

#### PACKAGING

- 10 oz. plastic cartridge, 30/carton

TYPICAL PHYSICAL PROPERTIES*	
Property	Typical Values*
<b>Uncured Properties</b>	
Viscosity	700,000 cps
Slump	<0.1 inch
VOC Content	100% Solid (15 gm/L)
<b>Cured Properties</b>	
Hardness - Shore "A"	30 ± 5
Tensile Strength (PSI (n/mn <sup>2</sup> ))	>180 (>1.53)
Elongation	>500%
Joint Movements	± 25%
180° Peel Strength	≥18 lb/in
Paintable	Yes, with latex paint
Bubble Resistance	Yes
Temperature Resistance (°C)	-40/+70°C

\*Typical properties and characteristics are based on samples tested and are not guaranteed for all samples of this product. This data and information is intended as a guide and does not reflect the specification or specification range for any particular property of this product.

#### BENEFITS AND SUPPLEMENTAL STATEMENTS

- Initial high-tack, non-sag properties
- Short cut-off string during application
- No shrinkage during cure
- Enhanced UV resistance- non-yellowing
- VOC Compliant to SCAQMD, CARB, and OTC
- Available in many different colors to match any substrates
- Excellent tack-free and cure times
- Better Flexibility +/- 25% joint movement
- Flexible in low temperatures

- Excellent cohesive strength after cure
- High UV resistance and color stability
- Prevents contact corrosion in aluminum-body vehicles
- Paintable after one hour of application

#### CODE APPROVALS/COMPLIANCE

- ASTM C 920: Type S, Grade NS, Use NT, Class 25, M, G and A
- AAMA 713-08 Complaint (Asphalt-Flashing Compatible)
- Federal Spec. TT-S-00230C Type II
- AAMA 808.3 (Type 1) Exterior Perimeter Sealing
- AAMA 805.2 (Group C) Back Bedding/Glazing

#### COVERAGE RATES

- Approximately 26 lineal feet per 10 oz. cartridge for a 1/4" bead

#### INSTALLATION INSTRUCTIONS

1. JTS 1 is a one-component, ready-to-use material that requires no mixing or preparation.
2. Surface Preparation - Surfaces shall be dry, clean and free of all dust, or contamination, which may harmfully affect the adhesion of the sealant. TPO surfaces require priming with Si TPO Primer.
3. A quality caulking gun should be used to ensure ease of application.
4. To use product cut tip to appropriate size and puncture the foil seal. A small orifice size and/or an incompletely punctured foil seal may cause material to extrude around the plunger.
5. Clean Up – Uncured sealant can be removed from work surfaces or tools with a solvent, such as naphtha. Use proper precautions when handling solvents. Cured sealant can be removed by cutting with a sharp-edged tool. Thin films of cured sealant can be removed by abrading.
6. JTS 1 is paintable after 24 hours.

#### SURFACE PREPARATION

1. MuleHide recommends an adhesive pull test over any reconditioned surface (recover) to ensure bond strength and structural integrity of the existing surface.
2. Prior to applying Helix roofing adhesive, the surfaces to which the adhesive is being applied must be inspected to ensure that it is smooth, flat, clean, sound, dry and free of any oil, sharp edges, loose and foreign materials or irregular surfaces. Fibrous cement decks should be checked for their ability to retain the adhesive (some types may allow adhesive to pass through).



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- Existing substrates having residual asphalt must be cleaned and scraped smooth as best as possible. Any remaining asphalt that was not previously exposed (non-oxidized, glossy, shiny) must be primed with approved primer.
- When applying Helix roofing adhesive over existing materials/ surfaces, all wet materials must be removed, and remaining moisture dried before the application. Do not use on substrates showing signs of deterioration or loss of structural integrity.

#### PRECAUTIONS

- Some applications may not be compatible with this product.
- Do not use on joints requiring continuous water immersion, use backing material before filling joints deeper than 3/8" (9.5 mm), full testing is required prior use with polycarbonate and any material that is prone to crazing or incompatibility.
- In most cases, no primer is required.
- Some cleaners, solvents may not be compatible with this product.
- Testing suitability for intended application before proceeding with full application by the user is recommended.
- Do not use in direct contact with fire or long-term high temperature applications.
- Use with adequate ventilation. Inhalation of vapor during application and cure may cause slight eye or throat irritation. In case of contact with eyes, lips, or mouth, flush thoroughly with water. If irritation persists, consult a physician.
- Avoid repeated, prolonged contact with skin.
- See SDS for additional information.

KEEP OUT OF REACH FROM CHILDREN.

#### CLEAN UP

Uncured sealant can be removed from work surfaces or tools with a solvent, such as naphtha. Use proper precautions when handling solvents. Cured sealant can be removed by cutting with a sharp-edged tool. Thin films of cured sealant can be removed by abrading.

#### STORAGE AND HANDLING

The product has shelf life of 12 months after production date in its original packaging (unopened) in a cool, dry place. For maximum shelf life, store unopened containers at temperatures not exceeding 80°F in cool, dry conditions. Keep away from wet areas, direct sunlight, and heat sources.

#### PROTECTION & SAFETY

MuleHide maintains Safety Data Sheets on all of its non-exempt products. Safety Data Sheets contain health and safety information for your development of appropriate product handling procedures to protect your employees and customers. MuleHide's Safety Data Sheets should be read and understood by all of your supervisory personnel and employees before using MuleHide products in your facilities.

#### ADDITIONAL INFORMATION

On projects where a MuleHide Standard or Premium Warranty is requested, an authorized MuleHide representative shall inspect all completed work.

The information given on this PDS is subject to change without notice. Always check the MuleHide website at [www.mulehide.com](http://www.mulehide.com) for the latest information, changes and updates or contact MuleHide at 800-786-1492.

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