



# Sealants Comparison Chart



	<b>JTS 1</b>	<b>SEBS 1</b>	<b>Si Sealant</b>
<b>Ideal Application</b>	Large joints & termination bars for concrete, masonry, EPDM, PVC, TPO (primed), wood, vinyl and most other common building materials	Metal repair & restoration, for use with the SEBS Roof Coating System	Single-ply membrane, modified restoration, metal, SPF, for use with the Silicone Roof Coating System
<b>Common Uses</b>	Sealing penetrations for residential roofing; adheres to wet and underwater surfaces	Multipurpose use on all types of roofs including EPDM, TPO, ModBit, Kynar®, shingles, asphalt, concrete, masonry, tile	General waterproofing and mildew-resistant applications; seams, fasteners, windows, doors, gutters, siding
<b>Colors</b>	<b>8 - Colors</b> White, Black, Bronze, Medium Bronze, Gray, Limestone, Wicker/Tan, Terra Cotta	<b>13 - Colors</b> Pure Clear, White, Black, Bronze, Medium Bronze, Gray, Dark Gray, Limestone, Sandstone, Wicker/Tan, Musket Brown, Royal Brown, Aluminum	<b>2 - Colors</b> White, Clear
<b>Packaging</b>	Plastic Tubes, 12 per box		
<b>Type</b>	Moisture-cure urethane sealant made with 100% solids	Thermoplastic elastomer-based, solvent-based terpolymer sealant	High-solid, non-shrinking, oxime silicone sealant
<b>Elongation &amp; Tensile Strength</b>	400%, 400 psi	1,000%, 700 psi (700%, 700 psi – Pure Clear)	500%, 200 psi
<b>Max. joint size</b>	2-inch	3/8-inch	1-inch
<b>Skin time</b>	30 minutes	30 minutes	10 minutes
<b>Tack-free</b>	2 hours	3 hours	1 hour
<b>VOC</b>	8 g/L, less than 1.5%	Less than 300 g/L	10 g/L, less than 3%
<b>Shelf Life</b>	2 years	5 years	1 year
<b>Viscosity</b>	1,500,000 cps	1,800,000 cps	700,000 cps

### Tensile Strength

The maximum stress the material will sustain before fracture. The tensile strength is calculated by dividing the maximum load by the original cross-sectional area of the test specimen.

### Elongation

The increase in the gauge length, measured after fracture of the specimen within the gauge length, usually expressed as a percentage of the original gauge length.

## Sealants - Competitive Comparison

	<b>Mule-Hide JTS 1</b>	<b>Geocel 3300</b>	<b>Masterseal NP-1</b>	<b>RM Lucas 9600</b>	<b>Sika 1-A</b>	<b>Vulkem 116</b>
<b>Joint width</b>	2"	1/2"	1/2"	2"	1/2"	N/A
<b>Elongation</b>	400%	881%	800%	400%	550%	200-300%
<b>Tensile Strength</b>	400 PSI		350 PSI	400 PSI	175 PSI	200-250 PSI
<b>Cure Time</b>	1 Day	1 Day	Approx. 7 Days	1 Day	4-7 Days	N/A
<b>Tack Free Time</b>	30 mins.	3 Hours	Skins overnight	30 mins.	3-6 Hours	30 Hours
<b>Paintable</b>	Yes	Yes	Yes	Yes	Yes	Yes
<b>VOC</b>	8 g/l	3 g/l	35g/l	8 g/L	40 g/L	<50 g/L
<b>Meets ASTM C 920</b>	Yes	Yes	Yes	Yes	Yes	Yes
<b>Shelf Life</b>	2 years	1 year	1 year	2 years	1 year	6-24 Months

	<b>Mule-Hide SEBS 1</b>	<b>Geocel 2300</b>	<b>NPC Sealants Solar Seal #900</b>	<b>OSI Quad</b>	<b>RM Lucas #6600</b>
<b>Joint Width</b>	3/8 inch	1/2 inch	3/4 inch	3/8 inch	3/8 inch
<b>Elongation</b>	1000%	1180%	300-400%	550%	1000%
<b>Skin/Cure</b>	Skins 30 minutes, Cure 7 days	Cure 4 days	Skin 24 hours, Cure 21 days	Cure 7-14 days	Skin 30 minutes, Cure 7 days
<b>Tack Free</b>	3 hours	45 minutes	4 hours	7 hours	3 hours
<b>Tensile Strength</b>	700 psi	•	•	100 psi after 21 day cure	700 psi
<b>Paintable</b>	Yes, after 1 week cure time	Yes, 4 days	Yes, after skin	Yes, after full cure	Yes, after 1 week cure time
<b>VOC</b>	< 300 g/l	•	243 g/L	36 g/L	< 300 g/l
<b>Meets ASTM C 920</b>	Yes	No	Yes	Yes	Yes
<b>Shelf life</b>	5 years	1 year	2 years	2 years	5 years

	<b>Mule-Hide Si Sealant</b>	<b>BOSS 396 Window &amp; Siding</b>	<b>NovaGard Novaflex Multi-Purpose</b>	<b>OSI HM270</b>	<b>RM Lucas #8500</b>
<b>Joint width</b>	1 inch	3/8 inch	3/8 inch	3/8 inch	1 inch
<b>Elongation</b>	500%	450%	500-650%	350%	500%
<b>Tensile Strength</b>	200 psi	200 psi	200 psi	170 psi	200 psi
<b>Cure Time</b>	24 hours	24 hours	24 hours	24 hours	24 hours
<b>Tack Free Time</b>	Skins 10 minutes	Skins 15 minutes	Skins 10 minutes	Skins 10 minutes	Skins 10 minutes
<b>Paintable</b>	Not recommended	No	No	No	Not recommended
<b>VOC</b>	10 g/L	28 g/L	<34 g/L	30 g/L	10g/L
<b>Meets ASTM C 920</b>	Yes	Yes	Yes	Yes	Yes
<b>Shelf Life</b>	1 year	12 months	18 months	2 years	1 year

The competitive information is assembled using the latest information available in the marketplace via manufacturers published technical data, SDS, PDS and website. Every effort has been made to ensure its accuracy. If you should have any questions, please contact the appropriate manufacturer.