



Sealants Comparison Chart



	JTS 1	SEBS 1	Si Sealant
Ideal Application	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
Common Uses	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
Colors	9 - Colors White, Black, Bronze, Medium Bronze, Gray, Limestone, Wicker/Tan, Terra Cotta, Clear	13 - Colors Pure Clear, White, Black, Bronze, Medium Bronze, Gray, Dark Gray, Limestone, Sandstone, Wicker/Tan, Musket Brown, Royal Brown, Aluminum	2 - Colors White, Clear
Packaging	Plastic Tubes, 12 per box		
Type	Moisture-cure urethane sealant made with 100% solids	Thermoplastic elastomer-based, solvent-based terpolymer sealant	High-solid, non-shrinking, oxime silicone sealant
Elongation & Tensile Strength	400%, 400 psi	1,000%, 700 psi (700%, 700 psi – Pure Clear)	500%, 200 psi
Max. joint size	2-inch	3/8-inch	1-inch
Skin time	30 minutes	30 minutes	10 minutes
Tack-free	2 hours	3 hours	1 hour
VOC	8 g/L, less than 1.5%	Less than 300 g/L	10 g/L, less than 3%
Shelf Life	2 years	5 years	1 year
Viscosity	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

	Mule-Hide JTS 1	Geocel 4500	Masterseal NP-1	RM Lucas 9600	Sika 1-A	Vulkem 116
Joint width	2"	1/4"	1/2"	2"	1/2"	1/2"
Elongation	400%	559%	800%	400%	550%	200-300%
Tensile Strength	400 PSI	248 PSI	350 PSI	400 PSI	175 PSI	200-250 PSI
Cure Time	1 Day	1 Day	Approx. 7 Days	1 Day	4-7 Days	4-7 Days
Tack Free Time	2 Hours	1.5 Hours	Skins overnight	2 Hours	3-6 Hours	30 Hours
Paintable	Yes	Yes	Yes	Yes	Yes	Yes
VOC	8 g/l	42 g/l	35 g/l	8 g/L	40 g/L	<50 g/L
Meets ASTM C 920	Yes	Yes	Yes	Yes	Yes	Yes
Shelf Life	2 years	1 year	1 year	2 years	1 year	6-24 Months

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

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