

# Metal Construction Sealants & Adhesives



## PRODUCT DATA

Sikaflex® 1-Component Polyurethane Sealants			
PROPERTIES	Sikaflex®-201US	Sikaflex®-219LM	Sikaflex®-TS Plus
<b>Chemical base</b>	1-C polyurethane	1-C polyurethane	1-C polyurethane
<b>Color</b>	White, Tan, Aluminum Gray, Bronze	White, Aluminum Gray, Log Home Tan, Dark Bronze, MB Bronze, Limestone, Black, and Hartford Green	Gray
<b>Cure mechanism</b>	Moisture Cured	Moisture Cured	Moisture Cured
<b>Density</b>	11.8 lb/gal	10.3 lb/gal	10 lb/gal
<b>VOC (EPA method 24)</b>		0.4 lb/gal	0.29 lb/gal
<b>Application temperature (Product)</b>	40°F – 110°F (4° – 43°C)	40°F – 100°F (4°C – 38°C)	40° – 110°F (4° – 43°C)
<b>Tack free time<sup>1</sup></b>	3 hours	4 hours	45 min
<b>Curing speed</b>	7–10 days full cure	7–10 days full cure	7–10 days full cure
<b>Shore A-hardness (ASTM D 2240)</b>	38	20	38
<b>Tensile strength (ASTM D 412)</b>	175 psi	125 psi	200 psi
<b>Elongation at break (ASTM D 412)</b>	550%	700%	750%
<b>Tear strength (ASTM D 624)</b>	55 lb/in		15 lb/in
<b>Tensile lap-shear strength (ASTM D 1002)</b>	130 psi		175 psi
<b>Service temperature</b>	-40°F – 190°F (-40°C – 88°C)	-40°F – 190°F (-40°C – 88°C)	-40°F – 176°F (-40°C – 80°C)
<b>Maximum expansion/contraction</b>	+/-25% average joint width	+100/-50%	15%
<b>Shelf life (storage below 80°F (27°C))</b>	12 months Cartridge & Unipacs 6 months Pail & Drum	12 months	9 months
<b>Packaging</b>	10.1 Ounce Cartridges 20 Ounce Unipacs 4.5 Ounce Pails, 50 Gallon Drums	10.1 Ounce Cartridges 20 Ounce Unipacs	20 Ounce Unipacs

<sup>1</sup>73°F (23°C) / 50% r.h.

