

<b>Characteristic</b>	<b>Threshold Requirement</b>	<b>Objective Requirement</b>
Operational Temp: Min	-10°F	≤ - 20°F
Operational Temp: Max	+140°F	≥ +150°F
Static Shear Load <sup>1</sup>	16 oz/in <sup>2</sup>	> 20 oz/in <sup>2</sup>
Static Tensile Load <sup>2</sup>	32 oz/in <sup>2</sup>	> 40 oz/in <sup>2</sup>
Surfaces (wet or dry)	Adobe, Concrete, Steel, Aluminum,	Wood, Plastic, Fiberglass, Rubber
Form factor <sup>3</sup>	Tape or liquid adhesive	Tape
Color	Unlimited	Subdued earth tones
Surface preparation	No more than “wipe down”	None
Shelf Life	2 years	> 5 years
Cure time (100% strength) room temp <sup>4</sup>	60 sec	0 sec
Cure time (threshold strength) room temp <sup>5</sup>	30 sec	0 sec
Use time (useful time post dispensing) <sup>6</sup>	> 30 sec	No limit
Hold time (time to retain threshold bond)	45 min	No limit
Toxicity	Minimal PPE required (gloves only)	No more than minor skin irritant
Re-stick <sup>7</sup>	1 time	No limit
Removal force <sup>8</sup>	Simple hand tools	By hand
Activators <sup>9</sup>	See note	None
TRL	≥ 3	≥ 8

<sup>1</sup> Defined as adhering an object to a vertical surface

<sup>2</sup> Defined as adhering an object from a horizontal surface

<sup>3</sup> Provided as either a tape or a dispensed adhesive

<sup>4</sup> Cure time to the ultimate strength of the adhesive

<sup>5</sup> Cure time to the stated threshold requirement

<sup>6</sup> Time the adhesive remains tacky for optimal use after dispensing

<sup>7</sup> Ability to pull off surface and reposition; not applicable in all systems

<sup>8</sup> Defined as an ability de-bond from the surface

<sup>9</sup> Adhesive activation mechanisms with minimal impact on operation will be considered. These include but are not limited to; UV lights, electrical power, etc