



**FLX 120** is our highest performance moisture curing RTV Silicone Adhesive/Sealant Series. **FLX 120** products are no odor, non-slump, one part sealants that utilize a neutral cure, which unlike acetoxy silicone is non-acidic. This non-corrosive material is ideal for use in high speed assembly, as it has no objectionable odor, will not corrode parts, and generally has greater bond strength than acetoxy silicones. **FLX 120** products cure to form a tough high modulus rubber with great long term flexibility and durability. Resistant to aging and weathering, including ozone, ultra-violet radiation, freeze thaw conditions, and air-borne chemicals, **FLX 120** products are well suited for a multitude of gasketing, bonding, and potting applications. When fully cured, the **FLX 120** products have a range of heat stability from -70°F to 390°F.

Use **FLX 120** products in industrial and automotive applications where a non-filled adhesive/sealant is desired for maximum strength and durability.

Available in 123 Black, 125 Blue, 128 Clear and 129 Grey.

**TYPICAL PROPERTIES**

**UNCURED**

Type	One part, RTV silicone rubber
Appearance	Smooth non-slump paste
Specific Gravity	
Clear	1.03
Colors	1.21
Extrusion Rate	50g/min (1/8" bead, 90psi)
Skin-over Time	5-20 minutes
Cure Method	Neutral, moisture cure
Cure Time	48 hours (1/4" bead)
Temperature Range After Cure	-70°F to 390°F (-60°C to 200°C)
Slump/Sag	Nil

**CURED\***

Durometer Hardness (Shore A) (ASTM D 2240)	33
Tensile Strength (ASTM D 412)	260 psi
Elongation at Break (ASTM D 412)	500%
Tear Resistance (ASTM D 624, Die B)	26 ppi (4.6kN/m)
Shrink Factor	Nil

\* A 1/4" bead cured at 77°F (25°C) and 50% R. H. for 7 days

**ADHESION PROPERTIES**

**GLASS/GLAZED SURFACES**

Ceramic	Excellent
Glass	Excellent
Porcelain	Excellent

**METALS**

<b>ALUMINUM –</b>	
Anodized	Excellent
Clad	Excellent
Mill Finish	Excellent
<b>BRASS</b>	Excellent
<b>COPPER</b>	Excellent
<b>LEAD</b>	Excellent
<b>STEEL –</b>	
Chrome	Excellent
Cold Rolled	Good
Galvanized	Excellent
Red Lead Primed	Excellent
Stainless	Excellent
Mill Finish	Excellent

**PAINTS, PLASTICS, RUBBER**

<b>ACRYLICS –</b>	
Paints	Excellent
Sheet	Excellent
<b>ALKYDS</b>	Excellent
<b>NEOPRENE</b>	Excellent
<b>POLYCARBONATE SHEET</b>	Excellent
<b>POLYESTER FIBERGLASS</b>	Excellent
<b>POLYSTYRENE</b>	Excellent
<b>POLYURETHANE FOAM (Rigid)</b>	Excellent
<b>POLYVINYL CHLORIDE (PVC)</b>	Excellent
<b>SILICONE</b>	Excellent
<b>LEAD</b>	Excellent

**POROUS SURFACES**

Concrete	Excellent
<b>WOODS –</b>	
Soft (Pine)	Excellent
Hard (Oak)	Excellent

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