

## Metalworking Repair & Filling — continued

### Epoxy Metal Strips



- Easy and convenient to use
- Once cured, metal set can be drilled, filled or tapped
- Resistant to most solvents and lubricants
- Ideal for workshop or on-site maintenance

A tape consisting of an outer layer of aluminium filled epoxy resin based putty with an inner core of hardener.

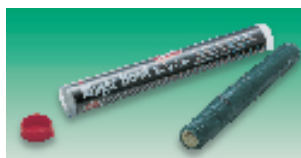
Cure schedule	30 mins.	Workable life	5 mins.
Fully hardened	72 hrs.	Max. operating temperature	120°C

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Mfrs. List No.	Order Code	1+	5+	20+	50+
1101008	148-135				

**LOCTITE**

### Magic Bond



- Permanently repairs and patches metal, wood, concrete, fibreglass and ceramics
- May be applied under water (fresh or salt water)
- Hardens in 10 minutes, back in service in an hour, full strength in 24 hours

Recommended applications include repairing tanks and drums, patching holes in pipes, stopping leaks and repairing porosity holes in castings

Temperature Resistance	Wet 49°C Dry 121°C 100%
Solids	300
Dielectric Strength Volts/mil, ASTM D149	75
Cured hardness shore D	5N/mm²
Adhesive Tensile Shear ASTM D1002	83N/mm²
Compressive strength ASTM D695	20 minutes
Pot life 24°C	Green/white (changes to white after mixing)
Colour	

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Mfrs. List No.	Order Code	1+	5+	10+	50+	100+
4oz stick	11600	704-0714				

## Sealants

### 'Silastic' RTV Silicone Rubber

732, 734, 736, 744, 3140 & 3145

**DOW CORNING**



- High strength adhesive/sealant
- Good thermal stability
- Meets **MIL-1-46146B**

- 732 ● Ideal for sealing joints, wire entries and connectors, for water-proofing pumps, motors, switches and enclosures, for glass to metal bonds etc.
- 734 ● Ideal for filling crevices and voids in potting and sealing applications
- 736 ● Ideal for long term, high temperature applications
- 744 ● Ideal for electronic unit assembly, particularly those containing corrosion and vibration sensitive components
- 3140 ● Suitable for use as a conformal coating protecting corrosion sensitive components, PCB's and encapsulating small circuits
- Meets **MIL-1-46058C** specifications

FOR SPECIFICATIONS SEE CROSS REFERENCE CHART **BELOW**

**Note:** It is not recommended to use any of these products in medical applications

CHM66X

Type	Colour	Size	Order Code	1+	10+	50+	100+
732	Clear	90ml	101-700				
	Clear	310ml	101-701				
	White	90ml	101-702				
	White	310ml	101-703				
	Black	90ml	108-899				
	Black	310ml	108-900				
734	Clear	310ml	101-705				
	White	310ml	101-707				
736	Red	90ml	956-960				
	Red	310ml	956-971				
744	White	90ml	521-826				
	White	310ml	521-838				
3140	Clear	90ml	101-713				
	Clear	310ml	536-738				
	Clear	473ml	101-714				
3145	Clear	90ml	537-007				

### Dow Corning RTV Silicone Rubber Selection

Mfrs. List No.	732	734	736	744	3140	3145
Farnell Order Code	101-700, 101-701, 101-702, 1201-703, 108-899, 108-900	101-705, 101-707	956-960, 956-971	521-826, 521-838	101-713, 536-738, 101-714	537-007
Single Part Component	Yes	Yes	Yes	Yes	Yes	Yes
Usage	General Purpose	General Purpose	High Temperature Applications	General Purpose	Conformal Coating	High Strength Adhesive/Sealant
Rheology	Non-slumping	Free Flowing & Self Leveling	Non-slumping	Non-slumping	Free Flowing	Non-slumping
Cure Mechanism	Acetox	Acetox	Acetox	Non-corrosive	Non-corrosive	Non-corrosive
Surface Compatibility	May effect some Metals e.g. Copper	May effect some Metals e.g. Copper	May effect some Metals e.g. Copper	Ideal for most surfaces	Ideal for most surfaces	Ideal for most surfaces
Specifications	—	—	FDA No.21 CFR 1772.600	—	Meets MIL-1-46058C	Meets MIL-A-46146B
Colour	Clear/White/Black	Clear/White	Red	White	Clear	Clear/Grey
Cure Schedule (@ 25°)	24 Hrs. (5mm Thick)	24 Hrs. (3mm Thick)	24 Hrs. (3mm Thick)	24 Hrs. (2mm Thick)	24 Hrs. (3mm Thick)	72 Hrs. (3mm Thick)
Operating Temp. Range	-50°C to +200°C	-50°C to +200°C	-50°C to +200°C	-55°C to +150°C	-65°C to +200°C	-55°C to +250°C
Dielectric Strength	24kV/mm	24kV/mm	—	17kV/mm	20kV/mm	21kV/mm
Elongation	590%	350%	400%	650%	350%	675%
Tensile Strength	1.9MPa	2.0MPa	2.5MPa	2.3MPa	2.0MPa	4.7MPa
Tear Strength	5kN/m	3.6kN/m	—	11.8kN/m	3.6kN/m	33kN/M

CHM210

### Primerless – Q3-6611



- Single part, flowable silicone elastomer adhesive
- Self priming
- No solvents or cure by-products
- Cures without exhibiting exothermic properties
- Wide operating temperature range

- Will not distort or damage sensitive components during cure
- Excellent dielectric properties
- Offers excellent adhesion to a wide range of substrates, including metals, glass and ceramics

Cure schedule	(0.5mm thickness) 15 mins @ 150°C (>0.5mm thickness) 30 mins @ 70°C and 15 mins. @ 150°C
Operating temperature range	-55°C to +200°C
Dielectric strength	18kV/mm
Visosity @ 25°	80,000mPa.s.,
Tensile strength	6.0MPa
Elongation	250%
Tear strength	14.0kN/m

**Note:** Not suitable for medical applications

CHM207

Description	Order Code	1+	10+	50+	100+
310ml cartridge	956-995				