

SILICONE SEALANTS

- ⇒ *1K Silicone*
 - Face Sealing
 - Bonding
 - Potting
- ⇒ *2K Silicone*
 - Bonding
 - Potting

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A must for Industrialists, Engineers, Architects, Developers, Professionals & Consultants.



SILICONE Sealants

Face Sealing Silicone

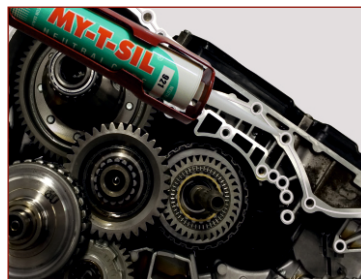
Where sealing larger gaps is an issue, like when using a sheet metal cover, RTV Silicones are the best. Many different products are offered depending on the fluid sealed and the application.

PRODUCTS

My-T-Sil® 912 (Acetoxy Cure)

My-T-Sil® 913 (General Purpose)

Description		It is a single component acetoxy cure RTV silicone sealant of paste-like consistency that cures to a tough, rubbery substrate when exposed to moisture in the air. It is resistant to weathering, ozone, solar radiation, moisture, vibrations.	Non-Slump paste RTV silicone for general purpose sealing, bonding and gasketing. Highly flexible. Enhances load bearing and shock absorbing characteristics of the bonded area.
Appearance		CLEAR PASTE	CLEAR PASTE
Specific Gravity (25±2°C)		0.94 ± 0.02	0.98
Viscosity (25±2°C)		Non-Slump Paste	Non-Slump Paste
Cure		Moisture	Moisture
Skin over Time	(Min)	3 - 6	5 - 10
Tack Free Time	(Min)	8 - 12	15 - 30
Elongation ASTM D412	(%)	250 - 300	≥ 250
Tensile Strength ASTM D412	(N/mm ²)	≥ 1	≥ 0.5
Pressure Resistance Hydraulic BIS 13055	(bar)	≥ 100	≥ 100
Hardness, Durometer Shore A (25±2°C) 50±5% RH ASTM D2240		30 - 40	20 - 30
Service Temperature	(°C)	-65 to +250	-65 to +250
Shelf Life @ 25±2°C	(Months)	6	6
Pack Size	Cartridge (ml) Pail (Kg)	100 & 280 20	100 & 280 20



My-T-Sil® 915

(High Temperature)

Neutral cure high temperature & oil resistance RTV silicon adhesive. Can resist temperature up to +300°C continuously (+400°C for short periods).

My-T-Sil® 9060

(Master Gasket)

It is best-in-class face sealing gasket in one component RTV range for automotive power transmission applications.

My-T-Sil® 9904

(High Elongation)

It is a highly flexible non-slumping, non-corrosive, single component, RTV silicone sealant. Ideally suitable for automotive applications requiring good chemical resistance and joint movement.

RED PASTE

1.4

Non-Slump Paste

Moisture

15 - 25

45 - 60

≥ 300

1.15 - 3.5

≥ 100

45 - 55

-65 to +300
(upto 400°C for short periods)

6

100 & 280
20

BLUE PASTE

1.4

Non-Slump Paste

Moisture

10 - 20

40 - 60

200 - 500

1.8 - 2.5

≥ 100

45 - 65

-65 to +250

6

100 & 280
20

BLACK PASTE

1.3 - 1.37

Non-Slump Paste

Moisture

5 - 10

≤ 40

≥ 400

≥ 1.7

≥ 100

≥ 40

-65 to +250

6

100 & 280
20



SILICONE Sealants

Bonding 1K Silicone

RTV Silicone sealants are used for bonding applications where flexibility and temperature requirements are high. RTV silicones are used for bonding glass, plastics, ceramics, metals and various dissimilar materials.

PRODUCTS

My-T-Sil® 980
(General Purpose)

My-T-Sil® 945
(High Extrusion)

Description		It is an industrial purpose one-component neutral cure, RTV silicone for sealing and bonding purpose. Excellent Adhesion to most glass, metals, plastics such as ABS, PVC, ceramics glass, wood, painted surfaces, concrete, natural & synthetic fibers.	It is an industrial purpose single component neutral cure, paste like RTV silicone for general purpose sealing, bonding & gasketing. operating temperature range is -50°C to +260°C.
Appearance		Black / White Paste	White / Black Paste
Specific Gravity (25±2°C)		1.3	1.03
Viscosity (25±2°C)		Non-Slump Paste	Non-Slump Paste
Skin Over Time	(Min)	7 - 10	7 - 13
Tack Free Time	(Min)	15 - 20	20 - 30
Hardness Shore A (25±2°C) ASTM D2240	50±5% RH	17 - 23	20 - 30
Tensile Strength ASTM D412	(N/mm ²)	≥ 1	≥ 0.3
Elongation ASTM D412	(%)	≥ 250	≥ 350
Service Temperature	(°C)	-55 to +200	-65 to +260
Shelf Life @ 25±2°C	(Months)	6	6
Pack Size	(ml)	100 & 280	100 & 280



My-T-Sil® 938 (Encapsulation)

It is a single component neutral cure silicone material that cures to a rubbery substrate when exposed to moisture in the air. My-T-Sil® 938 RTV adhesive/sealant when fully cured can be used in applications where temperature reaches 180°C and up to 260°C for short periods.

My-T-Sil® 991 (Weathering Resistant)

It is a general industrial purpose one-part alkoxy cure grey silicone material that cures to a rubbery matter when exposed to moisture in the air. It adheres to metals, plastics, ceramics glass, non-oily wood, painted surfaces, concrete, natural & synthetic fibers, epoxies, & rubber.

White Paste	Grey Paste
1.04	1.35
Non-Slump Paste	Non-Slump Paste
20 - 25	10 - 15
120 - 180	35 - 45
25 - 35	30 - 40
≥ 0.5	≥ 1.3
≥ 150	400 - 700
-65 to +260	-55 to +180
6	6
100 & 280	100 & 280



SILICONE Sealants

Potting 1K Silicone

Potting is a process of filling a complete electronic assembly with a solutions for resistance to shock and vibration, and for exclusion of moisture and corrosive agents.

METLOK brings you range of 1K silicone potting solutions to meet your design for small depth applications.

PRODUCTS

My-T-Sil® 9100 (Neutral Cure)

My-T-Sil® 911 (Acetoxy Cure)

Description		It is free flowing, self-leveling consistency allow it to pour from its container and can be applied as flow coating purpose in electrical and electronic part. It adheres to metals, plastics, ceramics glass, painted surfaces, concrete, natural & synthetic fibers.	It is a self-leveling acetoxy cure RTV silicone Sealant. It cures to a tough rubbery substrate when exposed to moisture in the air. It is used for sealing, potting and coating in electrical and electronic part.
Appearance		White	Red
Specific Gravity (25±2°C) ASTM D1875		0.9 ± 0.02	1.02
Viscosity (25±2°C) ASTM D1084	(cP)	25000 - 50000	75000 - 125000
Cure		Moisture	Moisture
Skin Over Time	(Min)	10 - 15	7 - 10
Tack Free Time	(Min)	≥ 60	30 - 40
Hardness Shore A & D (25±2°C) ASTM D2240		25 - 35	20 - 30
Elongation ASTM D412	(%)	≥ 200	200 - 300
Tensile Strength ASTM D412	(N/mm ²)	≥ 1	≥ 0.5
Service Temperature	(°C)	-60 to 200	-65 to 200
Shelf Life @ 25±2°C	(Months)	6	6
Pack Size	(ml)	100 & 280	100 & 280

Bonding & Potting 2K Silicone



PRODUCTS

My-T-Sil® 3077 (Bonding)

My-T-Sil® 3005F (Fast Curing)

My-T-Sil® 3007 (Low Viscosity)

Description	It is a fast curing high viscosity 2K silicone elastomer system ideally suitable for bonding and sealing applications requiring faster processing.	It is a fast curing two component, thermally conductive silicone elastomer system specially designed for protection of electrical and electronic components. The cured product is a flexible, medium to high modulus elastomer.	It is a low viscosity 2-component, thermally conductive silicone elastomer system specially designed for protection of electrical and electronic components. The cured product is a flexible, medium to high modulus elastomer.
Appearance	Part A - White Part B - Black A+B = Black & Grey	Part A - Grey Part B - Off White A+B = Light Grey	Part A - Black Part B - Black A+B = Black
Specific Gravity (25±2°C) ASTM D1875	(A) 1.23 (B) 1.0	(A) 2.96 (B) 1.47	(A) 1.60 (B) 1.58
Viscosity (25±2°C) ASTM D1084 (cP)	(A) 400000 - 800000 (B) 45000 - 65000	(A) 25000 - 35000 (B) 25000 - 35000	(A) 4000 - 8000 (B) 2000 - 4000
Cure	Room Temperature	Room Temperature / Heat	Room Temperature
Work Life / Pot Life (Min)	5 - 7	30	30 - 40
Total Cure	15 - 20 min.	24 Hrs	24 Hrs
Mix Ratio by Weight	13:1	1:1	1:1
Thermal Conductivity (25±2°C) ISO 22007 (W/(m-K))	-	0.8	0.6
Hardness Shore A (25±2°C) ASTM D2240	40 - 45	57 - 63	40 - 45
Service Temperature (°C)	-50 to 250	-50 to 250	-50 to 250
Shelf Life (Months)	12	12	12
Pack Size (Kg)	1 & 5 (Bucket)	1 & 5 (Bucket)	1 & 5 (Bucket)



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NOTE : The information provided here is based on tests in our laboratory & general information available on such products. The user is, however, advised to conduct his own trials & tests before using. The company cannot be held responsible for any said, implied, or suggested in this catalogue as the conditions of application & use are beyond our control. The products mentioned in the catalogue are our frontline products but we also offer a different range of products fulfilling specific customer requirements. METLOK has the right to continuously improve the product from time to time and hence the new versions of the catalogue will supersede the old versions.

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