

TECHNICAL DATA SHEET

My-T-Sil® Glazing and Metal

Neutral RTV Silicone

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METLOK PRIVATE LIMITED
(An ISO 9001 Certified Company)
W-27, M.I.D.C. Industrial Area
Kalmeshwar – 441 501, Nagpur

Product Description

My-T-Sil® Glazing and Metal is a general purpose one-component neutral cure, fast curing paste like RTV silicone for sealing, bonding and gasketing

- ❖ Non-sag consistency
- ❖ Excellent resistance to weathering, ozone, solar radiation, moisture, vibrations and chemicals.
- ❖ Adheres to most common building materials, such as ceramics, glass or glazed surfaces, wood, painted surfaces, concrete, natural & synthetic fibers, etc.
- ❖ Adheres well on alkali materials such as mortar and white cement
- ❖ Highly flexible. Enhances load bearing & shock absorbing characteristics of the bond area.
- ❖ Used in applications where temperature reaches 260 °C.
- ❖ Available in various colour

Applications

My-T-Sil® Glazing and Metal is used in various automotive, electronic, building and industrial components.

- ❖ Electrical Insulation sealing, horn parts etc.
- ❖ Bonding gaskets in heating and refrigeration unit
- ❖ Sealing windows in oven doors and flues on gas application, flanged pipe joints, access doors.
- ❖ Formed in place gasketing for gear boxes, compressors, pumps
- ❖ Sealing trailers, truck cabs
- ❖ Bonding and sealing appliances parts
- ❖ Sealing marine cabins and window
- ❖ Filletting and caulking joints in steel metal stacks, duct work and equipment housing.

Properties

Colour	:	Clear
Consistency	:	Non-sag
Appearance	:	Paste
Cure	:	Moisture
Viscosity @ 25±2 °C	:	Thixotropic
Specific Gravity @ 25 °C	:	1.04
Odor	:	Low Odor
Corrosivity	:	Non-corrosive

Temperature Resistance : - 65 to +260 (°C)

Cure Characteristics @ Room Temperature (25±2 °C) / 50±5 % RH

Skin over Time, minutes : 5 minutes
Tack Free Time, minutes : 20 minutes
Cure Time [3mm thickness], : 24 hrs
hrs

Physical properties; 3 mm strip cure for 7 days @ 25±2 °C / 50±5% RH

Hardness, Durometer Shore A : 22-32
ASTM D 2240
Tensile Strength, ASTM D 412 : ≥ 0.5
N/mm²
Elongation, ASTM D 412 : ≥ 300 %

Environmental Resistance

The product retains effective properties in contact with automotive fluids, such as alcohol, motor oil, transmission fluids, and antifreeze solutions.

Directions for Use

1. For best performance all surfaces should be thoroughly clean with an environmentally suitable solvent to remove dirt, oil and grease.
2. Moisture curing begins immediately after the product is exposed to the atmosphere, therefore parts to be assembled should be mated within a few minutes after the product is dispensed.
3. High temperature and high humidity will accelerate the cure process; low temperature and low humidity will conversely slow the cure rate
4. The bond strength will depends on joint configuration, degree of confinement, sealant thickness and substrate porosity.
5. Minimum stress should be applied to the bonded joints until full strength is developed.
6. Full properties will develop over 72 hrs.
7. Excess material can be easily wiped away with non-polar solvent.

Storage and Handling

- ❖ Store product in the unopened container in a dry location at 25±2 °C.
- ❖ My-T-Sil® Glazing and Metal will exhibit a shelf life of six months from the date of manufacture when stored as mentioned above.
- ❖ Material removed from containers may be contaminated during use. Do not return product to the original container.
- ❖ Containers should always be kept sealed when not in use.
- ❖ If additional information is required, please contact your local technical service center or customer service representative.

Pack Size

My-T-Sil® Glazing and Metal is ideally available in 100 ml tube and 280 ml cartridge.

Note

All statements, technical information and recommendations set forth herein are based on tests which Metlok Private Limited, believes to be reliable. However, Metlok Private Limited does not guarantee their accuracy or completeness. We cannot assume responsibility for the results obtained by others over whose methods we have no control. It is the user's responsibility to determine suitability for the user's purpose of any production methods mentioned herein and to adopt such precautions as may be advisable for the protection of property and of persons against any hazards that may be involved in the handling and use thereof. In no case will Metlok Private Limited be liable for direct, consequential economic or other damages.

METLOK PRIVATE LIMITED

(Bonding and Sealing Solutions)

An ISO 9001: 2015 Certified Company

Tel.: 07118-271543/271170/272468

Fax: 07118-272470

Visit us at: www.metlok.in