

TECHNICAL DATA SHEET

My-T-Sil® 915

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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® 915 is a one part neutral cure RTV Silicone sealant of paste-like consistency that cures to a tough, rubbery substrate when exposed to moisture in the air. It is resistance to weathering, ozone, solar radiation, moisture, vibrations & extreme temperatures conditions.

My-T-Sil® 915 will not flow of its own weight and can be applied to overhead or vertical joints and surfaces without slumping, sagging or running off. The material is specially Suitable to adhere clean metal viz., Galvanized steel, Aluminum, Coated steel including chrome-painted surfaces, glass, and ceramics, most plastics, PVC pipe, non-oily woods, fibrous cement, and concrete surfaces, Brick, Render.

My-T-Sil® 915 has excellent resistance to weathering, vibration, moisture, ozone and extreme temperatures. Fully cured My-T-Sil® 915 Sealant can be used in applications where temperature reaches 400 °C.

Applications:

- ❖ Suitable for joints and assemblies which must be resistant to high temperatures in ducting, metal chimneys, industrial ovens, heating appliances.
- ❖ Sealing glass back onto domestic / commercial oven doors
- ❖ Sealing of heating installations
- ❖ Gaskets in pumps and motors
- ❖ Sealing between metal and plastics which are exposed to high temperatures
- ❖ All sealant applications which require high temperature resistance
- ❖ Automotive gasket applications including valve covers, rocker covers oil pans, water pumps, end seals, intake manifolds & rear axle housings. This product is also used as a sealant and adhesive for assembly & repair of industrial furnaces, ovens, boilers, exhaust stacks, high temperature ducting, & heating elements in electrical appliances.

Properties

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|----------------------------|-----------------|
| Colour | : Red |
| Consistency | : Non-sag |
| Appearance | : Paste |
| Cure | : Moisture |
| Viscosity @ 25±2 °C | : Thixotropic |
| Specific Gravity @ 25 °C | : 1.4 ± 0.05 |
| Corrosivity | : Non-corrosive |
| Temperature Resistance, °C | : - 65 to +400 |

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

| | |
|---------------------------|-----------------|
| Skin Over Time | : 15-25 minutes |
| Tack Free Time | : 45-60 minutes |
| Cure Time [3mm thickness] | : 24 hrs |

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

| | |
|-------------------------------|--------------|
| Hardness, Durometer – Shore A | : 45 - 55 |
| ASTM D 2240 | |
| Tensile Strength, ASTM D 412, | : 1.15 - 3.5 |
| | 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 7days.
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.
- ❖ My-T-Sil® 915 will exhibit a shelf life of 6 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® 915 is ideally available in 100 ml tube, 280 ml cartridge and 20 kg bucket/pail.

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.

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(Bonding and Sealing Solutions)

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