

Technical Data Sheet

Date of issue: 26.04.2021

Revision No: First release

MAY 804

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CONSTRUCTION SILICONE

1 – DESCRIPTION

MAY 804 CONSTRUCTION SILICONE is a premium performance neutral cure silicone sealant specially developed for weather sealing and glazing applications in curtain wall and building facades. It forms a strong weatherproof seal on common building materials.

2 – PROPERTIES

- Conforms to ISO EN 11600-F-20LM.
- Neutral cure.
- Suitable for use on most common porous and non-porous building materials.
- Noncorrosive. It will not react with or corrode common building materials.
- Not affected by exposure to sunlight, rain, snow and maintains this resistance over many years.
- Resistant to temperature extremes.
- 100% Silicone, solventless.
- Almost odourless.
- Fast curing.
- **Conforms to the requirements of VOC content specifications in LEED credit EQc4.1 “Low-emitting products” of SCAQMD rule 1168.**
- **French A+ indoor air quality marked.**

3 – APPLICATION AREAS

- General weather sealing and glazing in building and curtain wall facades.
- Sealing of window frames.
- Mounting of window frames and doors.
- Sealing applications of marble, stone and other porous substrates.
- Sealing of connection and expansion joints.

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4 – INSTRUCTIONS

- Ensure that surfaces to be sealed are clean, dry and grease free.
- The application temperature must be between +5 °C and +40 °C.
- In order to reduce the deformations of the joints, their depth must be much less than their width, minimum dimensions are 5x5 mm, for wider joints the depth should be preferably half of the width and it is adjusted by the use of a backup material.
- After the application, the sealant must be tooled with light pressure within 5 minutes to spread the material against the joint surfaces and to obtain a professional finish.
- Excess uncured sealant may be cleaned with solvent. Cured sealant can be removed barely mechanically.
- Recommended joint widths are >10 mm and < 35 mm.
- Joint width and depth ratio should be about 2:1.

Consumption (approx.)

Joint Width	10mm	15mm	20 mm
Joint Depth	6mm	8mm	10 mm
Efficiency /310 ml	5 meters	2.5 meters	1.5 meters

5 – STORAGE AND SHELF LIFE

- The shelf life is 15 months if stored in unopened-original package at room temperature.

6 – PACKAGING

Product	Content	Package
MAY 804 Construction Silicone Transparent / White / Black / Grey	310ml	30pcs

- It should not be applied on frost and wet surfaces.
- Application surfaces temperature should not exceed +50 °C.
- It must not be used in totally confined spaces where sealant cannot cure due to lack of atmospheric moisture.
- Not over paintable.

7 – SAFETY

Inhalation of the sealant vapour for long periods must be avoided. The application area must be ventilated properly. The uncured sealant must not be contacted for long periods. Cured silicone rubber bears no risk to health.

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8 – TECHNICAL PROPERTIES

Basis	: Silicone Polymer(Oxime)	
Curing System	: Neutral	
Density (Transparent and Aluminum)	: 1.02± 0.03 g/ml	(ASTM D 792)
Density (Other Colors)	: 1.20± 0.03 g/ml	(ASTM D 792)
Hardness Shore A (Transparent and Aluminum)	: 17-25 (after 28 days)	
Hardness Shore A (Other Colors)	: 22-32 (after 28 days)	
Tensile Strength	: ≤ 0,4 N/mm ² (23°C and 50% R.H)	(ISO 8339)
Skin formation	: 5-10 min. (23°C and 50% R.H)	
Curing Rate	: Min. 2,5 mm/day (23°C and 50% R.H)	
Elongation At Break (Transparent and Aluminum)	: ≥ 400%	(ASTM D412)
Elongation At Break (Other Colors)	: ≥ 350%	
Elastic Recovery	: Approx. 100%	(ISO 7389)
Sagging	: 0 mm	(ISO 7390)
Temperature Resistance	: -60°C to +180°C	
Application Temperature	: +5°C to +40°C	

This technical data sheet replaces all previous editions. All advices, figures and safety directives in this document are based on our careful research and last laboratory reports. Although, the document was compiled with the greatest care, because of a wide variety of different substrates and applications and possible different processing conditions **YOLDAS ENDUSTRI** does not accept responsibility for obtained results. Users need to ensure that the product is suitable for their application before use. Our general sales conditions apply. **YOLDAS ENDUSTRI** reserves all rights to modify the products without prior notice.