

Weberseal MS

Elastomeric joint sealant

Weberseal MS is a tough, durable, elastomeric joint sealant suitable for external and internal building applications.



PRODUCT BENEFITS



SOLVENT FREE



MOULD RESISTANT



WEATHERING & UV RESISTANT

USES

Weberseal MS is suitable for sealing various substrates including concrete, masonry, door and window frames, aluminum, copper, brass, zinc, stainless, mild or galvanized steel, glass, ceramic tiles, glass-reinforced plastics, fiber or wood-chip cement boards, timber floors and skirting/plywood, kitchen and sanitary areas, as well as mirrors and cabinets.

ADVANTAGES

- Solvent-free
- Excellent weather and UV resistant
- Excellent adhesion
- Excellent paint-ability
- Mould resistant
- Stain-free (No oil migration)

TECHNICAL DATA & PHYSICAL PROPERTIES

Base	Modified Silicone Polymer
Colour	White, Grey, Black
Specific Gravity	Approx. 1.4 kg/ litre
Viscosity (10rpm @ 28°C)	350,000 - 550,000 cps
Tack Free Time	Approx. 60 ± 15 minutes
Curing Rate (+23 °C/50 % RH)	Approx. 3 mm/24 h
Shrinkage	None
Movement Capability	± 25 %
Slump	0 mm
Tensile Strength (+23 °C/50 % RH)	> 0.8 N/mm ²
Elongation at Break	> 500 %
Fungus & Algae Resistance	Passed
UV & Weathering Resistance	Passed

Specifications are subject to change without notification. Results shown are typical but reflect laboratory test procedures conducted in laboratory conditions. Actual field performance will depend on installation methods and site conditions.

CONSUMPTION

Joint Width (mm)	10	12	15	20
Joint Depth (mm)	5	6	7	10
Joint Length (280 ml)	~ 5.5 / m	~ 4.0 / m	~ 2.5 / m	~ 1.5 / m

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PROCEDURE & APPLICATION



Surface Preparation

Joint surfaces must be clean and free from frost and surface water. Remove all dirt, laitance, loose materials, and foreign matter. Remove all rust, scale, and protective lacquers from metal surfaces. Non-porous surfaces should be degreased using a suitable cleaner. In all joints, it is necessary to use a barrier to prevent the sealant from coming into contact with the back of the joint, ensuring optimal performance. For shallow joints, self-adhesive polyethylene tape can be applied. Deep joints should include a backing rod that provides support to the sealant and acts as a bond breaker. Additionally, use masking tape alongside the joint to protect it from excessive silicone sealant.



Application

- **Cartridge:** Cut the end off the threaded stub on the cartridge, screw on the nozzle, and cut the nozzle to the desired bead size at a 45° angle.
- **Sausage:** Cut the wire clamped end of the sausage and fit the open end towards the nozzle into a fully enclosed barrel gun.

Extrude the sealant firmly into the joint to ensure complete contact with joint faces. Smooth to finish if necessary, with a spatula. Masking tape is then removed immediately within 10 - 15 minutes after application. Remove any uncured material using a suitable solvent or an approved sealant remover.



Design Criteria

Weberseal MS can be applied to joints between 10 - 35 mm wide. To minimize stresses on the joint sealant, all moving joints should have an optimum width to depth ratio of 2:1. This ratio is subject to these overriding minimum sealant depths:

- 5 mm minimum sealant depth at any point
- 5 mm minimum bonding depth against metals, glass, and other non-porous surfaces, providing that joint faces are in good condition
- 8 mm minimum bonding depth against masonry or other porous surfaces, or any non-porous surfaces where joint faces are in poor condition
- Shear joints have a minimum joint width to depth ratio of 2:1 up to a maximum of 1:1

CLEANING

Clean the tools and equipment immediately after use with water. Hardened material can be removed mechanically.

STORAGE & PACKING

Weberseal MS is available in 280 ml cartridges and 600 ml sausages. Shelf life of 12 months if unopened and kept in dry conditions at temperatures between 10°C to 25°C. Keep away from direct sunlight.

*Note: Because it is not possible to give specific instructions for the various site conditions or to control the applications, the information on this Technical Data Sheet is for general guidance only. Saint-Gobain (Singapore) Pte Ltd reserves the rights to amend the contents of the data sheet at its sole discretion. (Jun '23)

