

Precast Wall to Wall/Slab Joint

Floor Slab to Wall Fillet Seal

Precast Wall Panel Joint

AS-4004 / AS-4004S MS Joint Sealant



ALSEAL MS Joint Sealant is a single-component, elastomeric, and fast-curing joint sealant formulated based on advanced MS Polymer technology. It is a low-modulus sealant with $\pm 25\%$ movement capability, recommended for use as part of a waterproofing system, such as sealing wall-to-wall or wall-to-floor fillet joints. Besides, it is also suitable for sealing perimeter gaps of door and window systems.

Applications:

Recommended for sealing of concrete fillet joints, precast wall panel joints, expansion joints, control joints, connection joints, etc. It is also ideal for window frame perimeter sealing especially when the sealant needs to be painted. Other recommended applications include sealing of GRC panel systems, anodized aluminium, masonry, porcelain, coated metal, finished wood, epoxy and polyester panels, UPVC, polystyrene, and stainless steel.

Approvals / Specifications:

- ▶ ASTM C920, Type S, Grade NS, Class 25, Use NT, M & A
- ▶ Good Environmental Choice Australia (GECA) certified
- ▶ Low VOC - USEPA Method 24 under SCAQMD Rule 1168

Available colours: White, Grey & Black

Product Code	Content	Carton Quantity
AS-4004	290 ml / Cartridge	20 / Carton
AS-4004S	600 ml / Sausage	20 / Carton

Features:

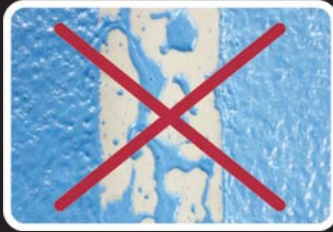
- ✓ Permanently flexible
- ✓ Excellent workability
- ✓ $\pm 25\%$ movement capability
- ✓ Better weathering resistance than PU sealants
- ✓ Paintable
- ✓ Low static charge – Less dirt streaking
- ✓ No silicone oil – Non-staining on adjacent substrates
- ✓ No isocyanate – No blistering
- ✓ No solvent – No shrinkage & non-corrosive
- ✓ Bonds most substrates without primer



☑ **Paintable** (MS Polymer)



☒ **Non-paintable** (Silicone Sealant)



Paintable

- ▶ Paintable with various types of paint

☑ **Good UV resistance**
(MS Polymer)



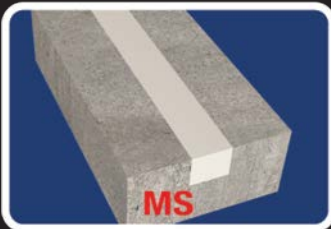
☒ **Poor UV resistance-
Sealant cracking** (PU Sealant)



Flexible seal & good UV resistance

- ▶ ± 25 % movement capability, suitable for working joints that experience significant movements.
- ▶ Durable, remain elastomeric for long time.

☑ **No shrinkage** (MS Polymer)



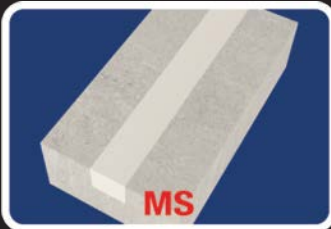
☒ **Shrinkage** (PU Sealant)



No shrinkage

- ▶ PU sealant shrinks while curing.
- ▶ MS sealant will not shrink due to its solvent-free property.

☑ **No air bubbling**
(MS Polymer)



☒ **Bubbling** (PU Sealant)



No air bubbling

- ▶ The bubbles in PU sealants are due to the formation of CO_2 .
- ▶ The formation of CO_2 is the result of moisture reaction with isocyanate.

☑ **Easier to tool**
(MS Polymer)



☒ **Difficult to tool**
(PU Sealant)



Good workability

- ▶ Alseal MS sealant can be tooled easily.
- ▶ Only single pass is required, without water or soap water.
- ▶ Other hybrid/PU sealants can be challenging to tool.

☑ **GECA certified sealant**
(MS Polymer)



☒ **Hazardous material**
(PU Sealant)



Low VOC compliant sealant

- ▶ Compliant with Good Environmental Choice Australia (GECA) certified.
- ▶ No hazardous materials such as isocyanate, solvent, heavy metals etc.