



**Formulated For The Professionals**  
Adhesives & Sealants



# VT-624 / VT-624S MS Construction Sealant

## Advanced MS Polymer

A standard elastomeric sealant formulated based on advanced MS Polymer technology. It is a low-modulus sealant that comes with  $\pm 25\%$  movement capability and good weather resistance. VT-624 is suitable for sealing fillet joints (wall to wall, wall to floor junctions) as part of a waterproofing system. It does not release solvent, which can adversely affect water based waterproofing membranes. Unlike Polyurethane sealants, it cures faster and does not bubble during cure. It is also ideal for sealing window & door perimeter seals in buildings where a paintable elastic seal is required.

### Applications:

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

### Applicable Test / Standard:

1. ASTM C920, Type S, Grade NS, Class 25, Use NT & M
2. Low VOC - USEPA Method 24 under rule 1168

**Available colours:** White, Black and Grey

Item Code	Content	Carton Quantity
VT-624	290 ml Cartridge	20 / Carton
VT-624S	500 ml Sausage 600 ml Sausage	20 / Carton 20 / Carton



### Features

- $\pm 25\%$  Movement capability
- Low VOC compliant
- Good UV resistance
- Paintable
- Isocyanate-free – No air bubbling
- Solvent-free – No shrinkage



PERIMETER SEALING



CEMENT FLOOR FILLET SEAL


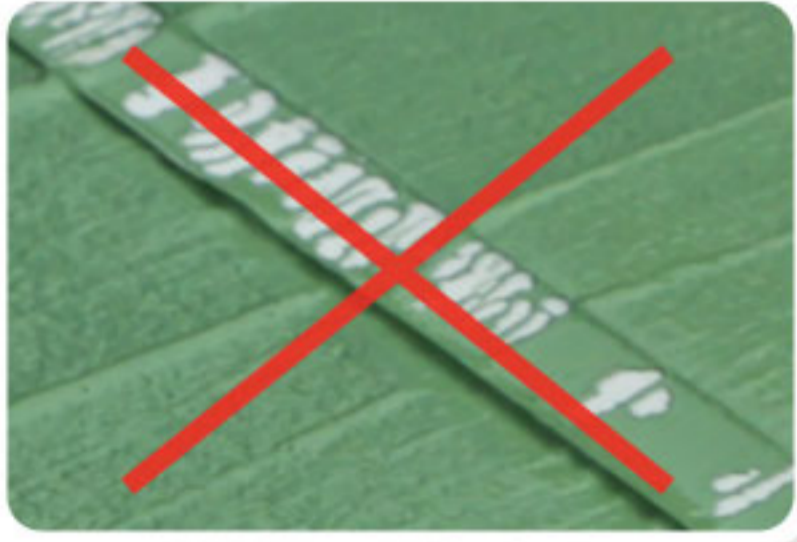
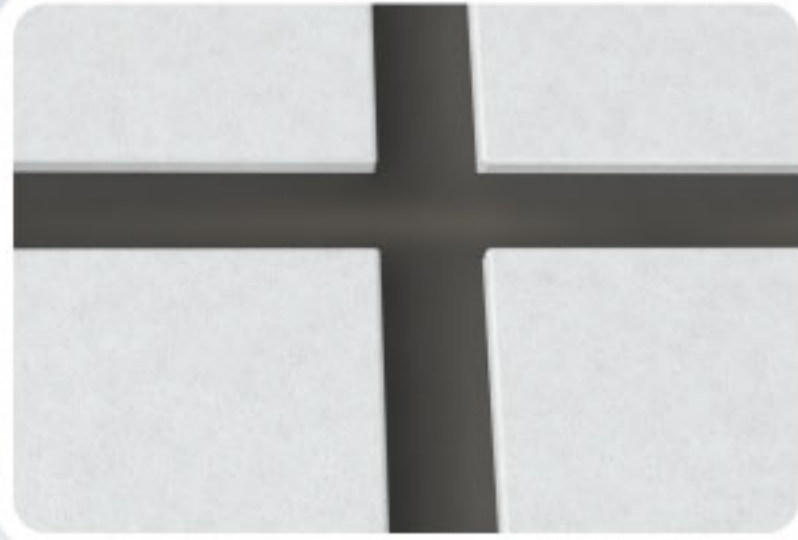
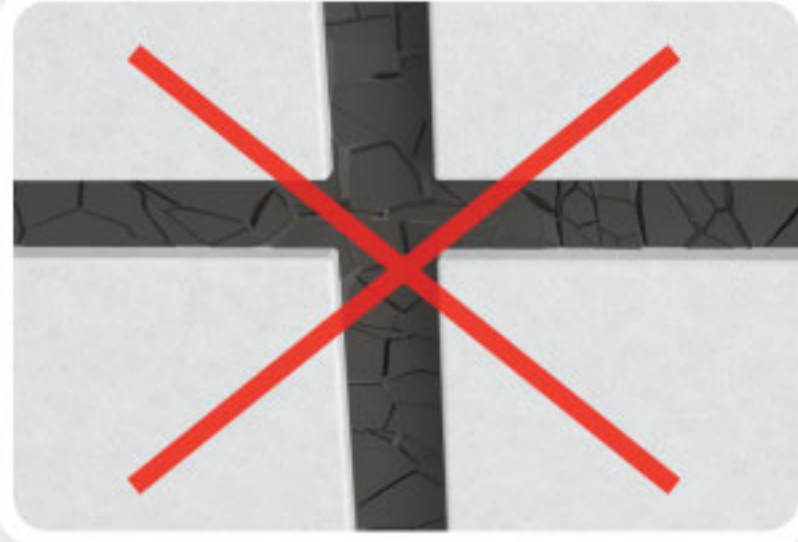




WALL PANEL



PRECAST WALL PANEL JOINT



Paintable	Flexible seal & Good UV resistance	Green sealant
 <p>✓ Paintable (MS Polymer)</p>  <p>Non-paintable (Silicone Sealant)</p> <ul style="list-style-type: none"> <li>• No silicone oil.</li> <li>• Paintable with various types of paint.</li> </ul>	 <p>✓ Good UV resistance (MS Polymer)</p>  <p>Poor UV resistance - Sealant cracking (PU Sealant)</p> <ul style="list-style-type: none"> <li>• ±25 % movement capability, suitable for working joints that experience significant movements.</li> <li>• Durable, remain elastomeric for a long time.</li> </ul>	 <p>✓ Green sealant (MS Polymer)</p>  <p>Hazardous materials (PU Sealant)</p> <ul style="list-style-type: none"> <li>• Compliant with SCAQMD rule 1168.</li> <li>• No hazardous materials such as isocyanate, solvent, heavy metals, etc.</li> </ul>

No shrinkage	No air bubbling
 <p>MS</p> <p>✓ No shrinkage (MS Polymer)</p>  <p>PU</p> <p>Shrinkage after curing (PU Sealant)</p> <ul style="list-style-type: none"> <li>• PU sealant shrinks while curing.</li> <li>• MS sealant will not shrink due to its solvent-free property.</li> </ul>	 <p>✓ No air bubbling (MS Polymer)</p>  <p>Bubbling (PU Sealant)</p> <ul style="list-style-type: none"> <li>• No air bubbling, The bubbles/ foams/ blisters in PU sealants are due to the formation of CO<sub>2</sub>.</li> <li>• The formation of CO<sub>2</sub> is the result of the reaction of the isocyanate with moisture.</li> </ul>



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**NIPPON PAINT**