Nitoseal® MS400

**UV Resistant Elastomeric Trafficable Joint Sealant**

**1.00 Trafficable Joint Sealant**

Where so designated on the drawings, joints are to be sealed using a highly UV resistant, trafficable, one-part joint sealant based on Silyl Modified Polymers.

**1.10 Surface Preparation**

 The joint surfaces must be thoroughly dry (SSD) and clean. Remove all laitance, curing compounds, form release agents, loose materials and any contaminating foreign matter from joint faces.

 Placed with pressure, fit a closed cell, polyethylene backing rod, PE bond breaker tape or filler board into the joint to support the internal back of the sealant.

 Note and follow any priming requirements referred to in the sealant manufacturers data sheet.

**1.20 Joint Sealant**

 The joint sealant is to be a single component, moisture curing joint sealant based on Silyl Modified Polymers exhibiting the following properties:

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| --- | --- |
| **Movement accommodation:** | 40% (+/- 20%) |
| **VOC content:**  | 12g / litre |
| **Modulus @ 100%:** | 1.15 MPa |
| **Shore A hardness (cured):** | 42 |
| **Elongation at break (cured):** | >300% |
| **Tooling time @ 23OC / 50%RH:** | 25 minutes |
| **Skin time @ 23OC / 50%RH:**  | 50 minutes |
| **Cure time @ 25OC / 50%RH:** | >2mm / 24h |

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1.21 The joint sealant shall be applied in accordance with the manufacturer’s product data sheet.

**1.30** **Fosroc Nitoseal MS400** meets the performance criteria and is approved.

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