Nitoseal® PU400

**Abrasion Resistant, Trafficable Joint Sealant**

**1.00 Trafficable Joint Sealant**

Where so designated on the drawings, joints are to be sealed using an abrasion resistant one-part joint polyurethane sealant.

**1.10 Surface Preparation**

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

Depending on the joint configuration, place with pressure fit, a closed cell, polyethylene (PE) 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 polyurethane joint sealant exhibiting the following properties:

|  |  |
| --- | --- |
| **Movement accommodation:** | 25% (+/- 12.5%) |
| **VOC content:** | <110g / litre |
| **Modulus @ 100%:** | 0.3 to 0.4 MPa |
| **Shore A hardness (cured):** | 40 |
| **Elongation at break (cured):** | >400% |
| **Tack-free time @ 23OC / 50%RH:** | 30 to 50 minutes |
| **Cure time @ 23OC / 50%RH:** | 3mm / 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 PU400** meets the performance criteria and is approved.

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