Nitoseal® SC820

**Low modulus, high movement, self smoothing pavement joint sealant**

**1.00 High movement, self smoothing joint sealant**

Where so designated on the drawings, joints are to be sealed using a chemical resistant one-part, low modulus, self smoothing silicone rubber joint sealant capable of high movement in concrete and sawn asphalt joints.

**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 silicone rubber joint sealant exhibiting the following properties:

|  |  |
| --- | --- |
| **Form:** | Self smoothing liquid |
| **Movement accommodation:** | +100% / -50%) |
| **Shore A hardness (cured):** | 10 (+/-2) |
| **Elongation (ASTM D412):** | 900% |
| **Tooling time @ 23OC:**  | 20 minutes |
| **Tack free time @ 23OC:** | 45 – 60 minutes |

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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 SC820** meets the performance criteria and is approved.

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