Thioflex® 555

**Fast curing elastomeric joint sealant for pavements**

**1.00 Fast curing pavement joint sealant**

Where so designated on the drawings, joints are to be sealed using a fast curing, fuel resistant two-part, joint sealant capable of tack-free time of <3 hours and return to service time of 4 hours @ 200C.

**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 self-levelling, two component, polysulphide rubber joint sealant exhibiting the following properties:

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| --- | --- |
| **Form:** | Self-levelling liquid |
| **Movement accommodation:** | 35% on butt joints |
| Tensile Modulus at 23ºC: | 0.16 MPa |
| **Elastic recovery (EN14188-2):** | 91.7% |
| **Flame resistance (EN14188-2):** | Pass |
| **Tack free time (EN14188-2):**  | < 3 hours |
| **Rate of cure (EN14188-2):** | 98% @ 24 hours |

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1.21 The joint sealant shall meet the following standards:

 **BS EN 14188-2:2004**. Joint fillers and sealants.

 Specifications for cold applied sealants: Two component (M) / self-levelling (sl type)/ Class B, C and D.

 **British Standard 5212: Part 1: 1990** Cold applied joint sealant systems for concrete pavements. Specification for joint sealants— types N, F and FB

 **US FED SPEC SS-S-200E**: 2 component, Jet Blast Resistant, Cold Applied, for Portland Cement Concrete Pavement.

 **ASTM C920** Type M, Grade P, Class 25.

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

**1.30** **Fosroc Thioflex 555** and **Fosroc Primer 7E** meet the performance criteria and are approved.

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