

PENTENS BITUSTRIP

Hot-applied Rubberized Bitumen Joint Sealing

Product Data Sheet

Description

Bitustrip is a high performance hot-applied rubberised bituminous joint sealant compound formulated to provide a resilient, flexible and watertight seal throughout repeated cycles of expansion and contraction of the joint. The material exhibits superior flow resistance throughout a wide range of temperatures while its low viscosity characteristic ensures the ease of installation. Additional adhesive-promoting agents obviate the requirement for a primer under all normal circumstances.

Uses

Bitustrip is ideal for the installation of bridge expansion joint, sealing of horizontal, slopping construction, expansion and contraction joints in concrete and asphalt roads, runways and thoroughfares and floor slabs.

Advantages

- Good expansion and contraction properties.
- Good mechanical properties, tensile strength and elongation.
- Pliable and flexible.
- Stability at high ambient temperatures.
- Excellent adhesion, strong durable bond.
- Oxidation-resistant and durable.
- Non-toxic.

Technical & Physical Data

Cone Penetration (ASTM 05) (dmm) (25°C,150g,5g)	10-30
Flow Resistance (mm) (ASTM D1191-94) (60°C,75°angle, 5h)	Less than 1
Softening Point (°C) (ASTM D36-95) (Ring & Balt)	103
Extension (Block prepared to ASTM D1190 & tested to limits BS 2499-1973)(to pass 3 cycles of extension to 50% extension at a rate of 3.2mm/h at 25°C)	Pass
Shelf Life	1 year when unopened and undamaged.
Storage Condition	Store in a dry, cool place.
Packaging	20kg /pail 200kg /drum

Usage Rates

Joint Depth (mm)	Joint Width (mm)						
	13	50	20	25	30	35	40
20mm	76	88	117	147	176	205	235
25mm				190	228	266	304
30mm					280	326	373
35mm						386	442
40mm							511

Instruction for Use

Surface Preparation

Joints to be installed or sealed should be thoroughly cleaned and dried using a hot compressor air lance, grit blasting or power brushing to ensure removal of all detritus. Any necessary repairs for badly spalled concrete joints should be done and caulking might be inserted into the joint gap prior to the installation of the sealant.

Application

The joint sealant compound should be heated and agitated in a purpose-built sealant pre-heated unit, ensuring the temperature does not exceed 200°C. The material should then be pumped into the joint or poured using a bucket and “V” mould with minimum loss of temperature. Joints in the concrete should be sealed to a level of approximately 1.5mm to 3mm from the surface.

Cleaning

Tools and equipment can be easily cleaned with water immediately after use.

Safety

Suitable protective clothing should be worn when handling these hot materials. Do not allow water to contact with the hot materials. Do not exceed recommended temperature. If molten material contacts with skin, do not attempt to remove it. Seek medical advice immediately.