8.03 XPERT JOINT-FILL

Rubberized bitumen hot applied horizontal joint sealant compound

PRODUCT DESCRIPTION

XPERT JOINT-FILL is a rubberized bitumen hot applied horizontal joint sealant compound designed to be tough, flexible and have good extension properties over a wide range of temperature conditions.

- Good low temperature flexibility
- Good recovery properties
- Prevents entry of water and deleterious substances
- No primer required

TYPICAL PROPERTIES

Pouring temperature: 170 / 180ºC
Safe heating temperature: 190ºC

USES

XPERT JOINT-FILL is used for sealing horizontal expansion joints on concrete and asphalt pavements where low movement is expected.

INSTRUCTION FOR USE

Joint Preparation: The recommendations given in Appendix G of BS 2499:1973 should be followed to achieve the correct performance. More thorough advice is given in part 2 of the 1993 version of BS2499: Hot applied joint sealant systems for concrete pavements. Joints must be cleaned by a hot compressed air lance or by grit blasting. Damaged joints must be repaired using an epoxy mortar approved by XPERT.

Application: XPERT JOINT-FILL compound should be heated indirectly and agitated in a purpose-built sealant preheater unit with thermostatic control. Ensure that the temperature does not exceed 190ºC. The heater unit should be oil-jacketed. The material should then be pumped into the joint, or poured using a melter pourer or bucket and "V" mould, with the minimum loss of temperature. Joints should be sealed to a level of approximately 3mm below the surface.

PACKAGING & STORAGE

XPERT JOINT-FILL is supplied in plastic lined paper sacks holding 20kg (nominal) of material. Remove paper and put into heating equipment.
Keep in dry store under cover.

USAGE RATES

Weight of XPERT Joint-fill sealant to fill 100m long joint (kg)						
Depth of Joint (mm)	Width of Joint (mm)					
	15	20	25	30	35	40
20	36	48	60	72	84	96
25			75	90	105	120
30				108	126	144
35					147	168
40						192

SPECIFICATIONS

TEST	SPECIFICATION
Cone Penetration (25ºC, 150g)	25 to 50dmm
Flow (Mould Method at 45ºC)	Less than 15%
Extension Test (0ºC, ASTM D1191)	Pass
Density	Typically, 1.2g/cm³ at 25ºC
Softening Point	Typically, 70 to 90ºC