

Conflex® BS

HOT-APPLIED ELASTOMERIC CONCRETE JOINT SEALANT

DESCRIPTION

Conflex BS is a hot poured sealant comprising of synthetic rubber, bitumen, resins and chemical additives. The material is to be used in horizontal joints.

USES & ADVANTAGES

Conflex BS is heated into a liquid which will create an effective bond to the concrete preventing the passage of water through the joint. It is used in horizontal applications for concrete roads, bridges, dams, irrigation canals, reservoirs, etc.

Advantages include:-

- Easy to melt.
- Highly elastic.
- Good adhesion to asphalt and concrete surfaces.

PROPERTIES

Density @25°C (ISO 2811-1)	: 800-1000 kg/m ³
Saybolt furol viscosity @25°C (ASTM D88)	: 30-50 sec.
Safe temperature (TIS 479-2541)	: <180°C
Pouring point (TIS 479-2541)	: <170°C
Cone Penetration @25°C (TIS 479-2541)	: 90 Max
Flow @60°C (TIS 479-2541)	: <5 mm
Adhesion with mortar block @0°C (TIS 479-2541)	: No crack or separation or groove deeper than 6.4 mm.

APPLICATION

1. Clean the joints & ensure they are dry, free of dirt, debris, dust curing compounds & mould oil. **Conflex BS** primer may be used to ensure good adhesion (allow to cure for 1-2 hours).
2. Heat **Conflex BS** to 175°C in a suitable oil jacketed heater vessel.
3. Control the temperature of the heat transfer oil at less than 240°C and the sealant less than 180°C.
4. Stir the sealant until it is homogeneous and thoroughly melted.
5. Pour melted sealant into prepared joints use all material within 2-3 hrs.
6. Allow the poured sealant to dry and cure for 4-5 hours before opening to traffic.

Note :

- The maximum safe heating temperature should not exceed 210°C.
- Use an oil jacketed bitumen heater with temperature controller.

APPLICATION RATE

		Joint Width (mm.)							
Joint depth (mm)		6	10	12	15	20	25	30	40
	6	27.7	16.6	13.8	11.1	8.3	6.6		
	8		12.5	10.4	8.3	6.2	5	4.1	
	10		10	8.3	6.6	5	4	3.3	2.5
	12			6.9	5.5	4.1	3.3	2.7	2.1
	15				4.4	3.3	2.6	2.2	1.6
	20					2.5	2	1.6	1.2

CLEANING

Use kerosene or mineral turpentine to clean up equipment.

PACKAGING

15 kgs box.

STORAGE & SHELF LIFE

The shelf life is a maximum of 12 months if kept in original packaging undercover protected from direct sunlight and rain.

HEALTH & SAFETY

- Wear suitable protective clothing including eye & face protection.
- In case of fire use dry chemical or carbon dioxide or sand. DO NOT use water.
- If molten material comes into contact with the skin, immerse the injured part under running cold water, and obtain medical advice immediately.
- Do not allow water to come into contact with molten material. This may cause it to boil over.
- If contact is made with the eyes immediately cool with cold water & seek medical advice.

TECHNICAL SERVICE

The Cormix International Technical Service Department is available to assist you in the correct use of our products and its resources are at your disposal entirely without obligation.

QUALITY ASSURANCE

ISO 9001 : 2015 verified by TUV Nord.
ISO 14001 : 2015 verified by Lloyd's Register International.

CONTACT DETAILS

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