

BITUBOND

Hot Poured Bitumen Sealant

BITUBOND is a hot poured heavy-duty elastic sealant for joints and cracks. It is compounded from ductile bitumen, elastomeric modifiers, mineral stabilizers and anti-oxidation additives.

TDS_Bitubond_GCC_0909

CHARACTERISTICS

- ▶ **Elastic and Pliable:** Can withstand thermal and normal structural expansion and contraction and will not crack.
- ▶ **Suitable for high ambient temperature application:** Will not run or flow at temperatures up to 80°C.
- ▶ **Good adhesion to asphalt and concrete substrates:**
- ▶ **Water-resistant:** Will not allow water into cracks and joints, thus protecting the substrate or base from damage.
- ▶ **Conforms to the requirements of:** ASTM D 1190 and ASTM D 3405

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USES

BITUBOND can be used for sealing joints on pavements, roads and traffic surfaces, water excluding substructures, water retaining structures including reservoir, floors and roofs, swimming pool substructures and irrigation canal floors

ESTIMATING

Joint depths should not exceed joint width.
 Minimum joint widths - 6mm.
 Maximum joint widths - 40 mm.

APPROXIMATE COVERAGE

For One Kg of BITUBOND

		Joint Width (mm)								
		6	10	12	15	20	25	30	40	
Joint Width (mm)	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	

APPLICATION INSTRUCTIONS

The joint or crack should be clean, free from dust, dirt, loose concrete or asphalt. To enhance adhesion, prime the surface with Polyprime SB. Allow primer to cure for 1-2 hours. Heat BITUBOND to 175° C in a suitable oil jacketed heater vessel. Pour the melted sealer directly in to the joint or crack to a level flush with surface. Protect from the traffic until Bitubond has cooled down.

PRECAUTION

Care should be taken when heating BITUBOND. The maximum safe heating temperature should not exceed

210 °C. Use an oil jacketed bitumen heater with temperature control. Small quantities (up to 5 kg) can be heated by direct heating method

STORAGE & SHELF LIFE

BITUBOND should be stored in dry and shaded area. The shelf life is 12months if stored as per recommendation.

PACKING

15 kg Pails.

HEALTH & SAFETY

1. Fire – Flash point 210° C.
2. Skin – Can cause severe burns. If contact occurs, immediately cool affected area with cold water.
3. Eyes – If contact occurs, immediately cool with cold water, and then seek medical advice.
4. Protective Clothing – Wear suitable protective clothing including eye/face protection.

TECHNICAL SPECIFICATION

PROPERTIES	RESULTS	TEXT METHODS
Specific gravity at 25° C	1.039	ASTM D 70
Cone penetration at 25° C	90 (Max)	ASTM D 1191
Flow at 60° C	<5	ASTM D 1191
Resilient Recovery , %	> 60	ASTM D 3407
Elongation at 25°C , %	500 (min)	ASTM D 412
Bond	Complies	ASTM D 1191
Resistance to mild acids and alkalis	Excellent	14 Day Immersion

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Apart from the information given here it is also important to observe the relevant guidelines and regulations of various organisations and trade associations as well as the respective standards. The aforementioned characteristics are based on practical experience and applied testing. Warranted properties and possible uses which go beyond those warranted in this information sheet require our written confirmation. All data given was obtained at an ambient and material temperature of +23 °C and 50 % relative air humidity unless specified otherwise. Please note that under other climatic conditions hardening can be accelerated or delayed.

The information contained herein, particularly recommendations for the handling and use of our products, is based on our professional experience. As materials and conditions may vary with each intended application, and thus are beyond our sphere of influence, we strongly recommend that in each case sufficient tests are conducted to check the suitability of our products for their intended use. Legal liability cannot be accepted on the basis of the contents of this data sheet or any verbal advice given, unless there is a case of wilful misconduct or gross negligence on our part. This technical data sheet supersedes all previous editions relevant to this product.

Manufactured in G.C.C.



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