

GI200

CORK SHEET

FLEXO FIBER SHEET



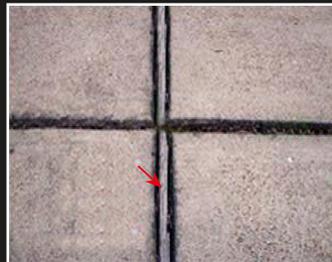
FLEXO FIBER SHEET



BITUMEN CORK SHEET



CORK RESIN



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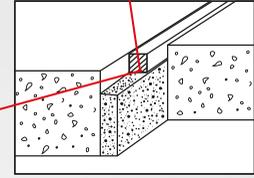
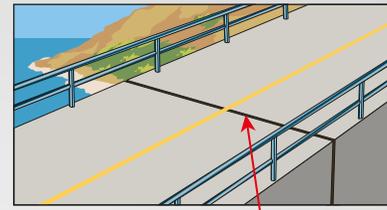
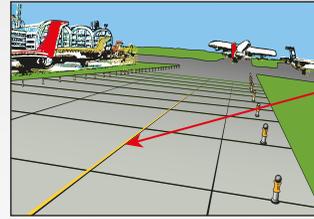
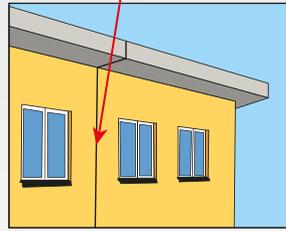
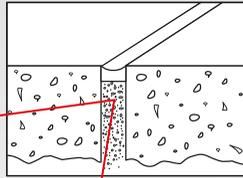
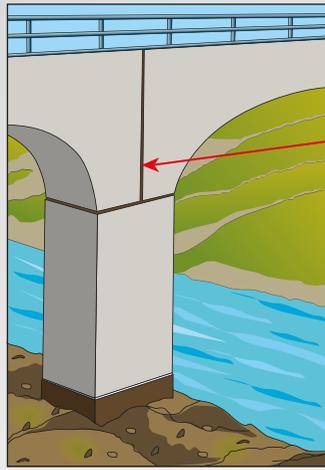
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BINTUMEN CORK SHEET TECHNICAL DATA SPECIFICATIONS

Weight by volume	Aprox 12 kg/m ³
Thermal conductivity (20°C)	0,037/0,040 w/mk
Normal tensile strength on plane sheet	0,94 Kg/cm ²
Bending strength	1,8 Kg/cm ²
Compression Strength	0,2 Kg/cm ²
Elasticity limit	1 Kg/cm ²
Deformation at 10% compression	1,78 Kg/cm ²
Specific heat	1,67 Kj/Kg °C
Resistance to water vapour diffusion	U5-30
Working temperatures	-200 °C to 130 °C
Dynamic rigidity (for 50mm of thickness)	126 N/cm ³
Modulus of elasticity	5 N/mm ²
Vapour conductivity	0,017 to 0,003 g/mh mm per section
Thermal Expansion coefficient (20)	25 to 50 x 10 ⁻⁶
Dimensional stability	Stable - does not expand or contract
Board dimensions	1000 x 500 mm/36.24"
Board Thickness	10 to 320 mm
Does not disintegrate in boiling water (3 hour test)	

Thermal Insulation Values		
(R in m ² K/W and K in W/m ² K)		
Thickness	R	K
10 mm	0,25	2,439
20 mm	0,50	1,595
25 mm	0,625	1,2739
30 mm	0,75	1,0989
40 mm	1	0,8620
50 mm	1,25	0,709
60 mm	1,50	0,602
70 mm	1,75	0,523
80 mm	2,00	0,4629
90 mm	2,25	0,4149
100 mm	2,50	2,3759

CORK RESIN TECHNICAL DATA SPECIFICATIONS

Standard dimensions	610 width X 915 length X 12 mm thickness (24" x 36" x approx 1/2") 610 width X 915 length X 6 mm thickness (24" x 36" x approx 1/4") (Various sizes and thickness are also available.)
Dimension Variations	Width + / - 3.2 mm, Length + / - 6.4 mm, Thickness + / - 1.6mm
Raw Material	Resin binded cork granules
Granules size	1-4 mm, (Customers cork granules sizes are also available)
Tensile strength	≥0.40 MPa
Compressibility	20-50 (100psi load)%
Recovery	≥ 75%
Flexibility	≤ 5 (multiple)
Disintegrator	None after 3 hours immersion in boiling water
Thermal Insulation	The thicker the cork sheet is the better the thermal insulation is
Acoustical ratings	The thicker the cork sheet is, the better the acoustical benefits are. Acoustical ratings for 6mm cork are available.
Fire behaviour	Fire inhibitor – Neither spreads flame nor releases toxic gases on combustion

FLEXO FIBER SHEET TECHNICAL DATA SPECIFICATIONS

Technical Specification					
Standards		BS 1142	ASTM D1751	DEMANDS	
Product		SBI/SBS	ASPH.C.35%	SBI/SBS	35%
Density	Kg.m ²	270-300	325-380	<400	>304
Thermal Conductivity	W/mk	0,05-0,053	0,055	<0,055	-
Bending Strength	N/mm ²	2,1	-	1,0-2,0	-
Vapour Resistivity	MNs/gm	33,4-34,7	-	Relatedm to spec.use	
Water Absorb. After water immersion	%	9,3-11,0	-	13-35	15-20
Effect of relative humidity change from 35% to 85%					
Incr. Length/Width	%	0,2	-	<0,4%	-
Incr. Thickness	%	3,0	-	<7%	-
Compression Loss in Weight	%	0,3-0,4	0,1-0,2	-	<3%
Extrusion	mm	0,1-0,53	0,02-0,24	-	<6,4mm
Recovery	%	81-93	83-89	>70%	>70%
Deflection	mm	1,8-2,0	-	<4mm	-

BOARD THICKNESS AND SIZES : SBI/SBS : t=10, 12, 18, 25mm width : 1220mm length: 2200, 2400, 2500mm. Numbers pf board /pallets: 10mm-100, 12mm-75, 18mm-50, 25mm-40. 35% ASPH.: t=3/8", 1/2", 3/4", 1" width : 4 ft. Length : 5 ft., 8 ft.,10 ft., and 2200mm. Numbers : Same as SBI/SBS.