

# Woodfibre Standard Bitumen Boards



## APPLICATIONS

Standard Bitumen Board has many uses when incorporated into the build up of flat or low pitched roofs. It will provide:

- A resilient layer suitable for accepting roof coverings
- Heat loss reduction
- Protection of roof elements from excessive thermal expansion due to solar gain
- A fibrous isolating and levelling overlay to rigid foamed plastic insulation, capable of accepting the thermal shock of hot poured bitumen
- An isolating layer with low thermal movement

### Standard Bitumen Board:

- Conforms to the SBI and SBS grades as defined in BS 1142
- Can be used in both refurbishment projects and in new build construction
- Is particularly suitable in roof upgrading projects with irregularly shaped areas
- Is easily cut to shape
- Can be utilised in the production of woodfibre/rigid foamed insulation board laminates
- Is also particularly effective as a Sarking Board in pitched roofing

Your Standard Bitumen Board stockist

### Standard Bitumen Board

Standard Bitumen Board is manufactured from water resistant, bitumen impregnated, woodfibre softboards and is produced in a wide range of sizes. The board displays excellent resistance to compression, with outstanding recovery characteristics. The board may be bonded with bitumen using traditional methods. When appropriate, such bitumen bonding may be augmented by the use of mechanical fixings. When laid over plastic insulation boards, the roofing board must be laid with staggered longitudinal joints.

### Bitumen Fillets

To compliment Standard Bitumen Board, Bitumen fillets are available.



Our boards  
are produced from  
renewable timber  
resources

# Standard Bitumen Board

## Technical Data

Density typical range:	250-300kg/m <sup>3</sup>		
Service temperature range:	-40°C to 120°C		
Thermal conductivity, typical:	0.05 W/mK		
Water vapour resistivity (†):	25-40 MNs/g		
Average bending strength (‡):	12mm:	18mm:	24mm:
	1.8 N/mm <sup>2</sup>	1.5 N/mm <sup>2</sup>	1.0 N/mm <sup>2</sup>
Thermal Resistance, typical	0.24m <sup>2</sup> K/W	0.36m <sup>2</sup> K/W	0.48m <sup>2</sup> K/W

† Measured to BS 7374: 1990: Methods of test for water vapour transmission resistance of board materials used in buildings, clause 3

‡ Measured to BS 1142: 1989, clause A10

## Specifications

### Standard Bitumen Board

is suitable for use in accordance with the advice given in:

**British Code of Practice CP 144: Roof coverings: Part 3: 1970, Built up timber felt; Part 4: 1970, Mastic asphalt.**

**British Standard BS 6229: 1982, Code of practice for flat roofs with continuously supported coverings.**

## Independent Testing

Standard Bitumen Board has been independently tested to clauses A6 and A7 of BS 1142: 1989. Copies of these independent test certificates are available on request. Typical independent test results are:

## Test Data

Test	BS 1142 Requirements	Standard Bitumen Board
A6: Effect of relative humidity change from 35% to 85%	increase in length and width: -Average 0.40% -Maximum 0.50% increase in thickness: -Average 7% -Maximum 10%	0.20%  2.5%
A7:Water Absorption by mass, 2 hours. (#)	Average 20% (§) Maximum 25% (§)	17.4%
A7:Thickness swell (#)	(*)	1.9%

(#) Nominal 12mm board

(§) SBS grade

(\*) Not specified under BS 1142, likely to be required under European Standards

## Standards

Standard Roofing Board complies with the SBI and SBS grades of softboard as defined in the British Standard 1142: Fibre building boards: 1989. Table 10 of that Standard (Guidance on the use of fibre building boards in the construction industry) notes the

suitability of such products for use as flat roof insulation overlays, sarking and sheathing. This Standard will eventually be replaced by a series of European Standards as part of the harmonisation of technical legislation for the Single European Market.

## Product Range

### Boards

#### Thicknesses:

12,18, and 24mm (1/2, 3/4 and 1 inch)

#### Width:

600, 610, 1200 and 1220mm

#### Length:

1200, 1220, 2400 and 2440mm

### Fillets

#### Size:

48 x 48 x 1220mm

## Storage & Handling

Standard Bitumen Board is delivered stretch wrapped on pallets to minimise damage in transit and for ease of handling on site and in stock. Bitumen Fillets are packed in strong

cardboard boxes and delivered stretch wrapped on pallets. The storage life of Standard Bitumen Board and of Bitumen Fillets is indefinite.