

Bi3 Tapered

Tapered Insulation For:

- Partially bonded built-up felt systems.

Description:

Gradient Bi3 Tapered insulation board is a closed cell rigid polyurethane foam core faced, both sides, with a bitumen impregnated glass fibre fleec.

Quality:

Outstanding quality product manufactured to ISO 9001 quality systems.

Thermal Conductivity:

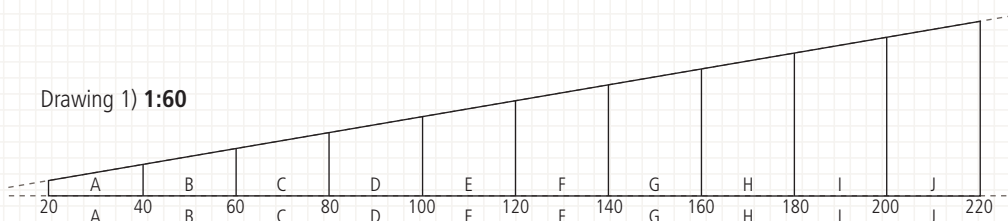
The declared thermal conductivity value of 0.026 W/mK is some 30% more efficient than most other insulation materials.

Environment:

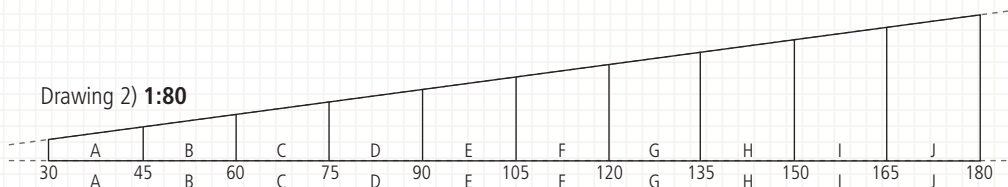
Zero ozone depletion (ODP) & a Global Warming Potential value of <5 (GWP).

Gradient Bi3 Tapered Standard Falls

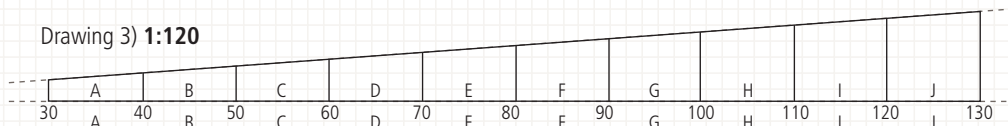
Drawing 1) 1:60



Drawing 2) 1:80



Drawing 3) 1:120



GRADIENT
FLAT ROOFING

Spec: Bi3 - Standard Falls
Boards - 1200x600

Note: Thicker boards are available and non standard thickness to special request

Gradient Bi3 Tapered

Technical Characteristics:

Thermal Conductivity	0.026 W/mK
Compressive Strength	120 kPa (min) 170 kPa (typical)
Moisture Vapour Resistivity	15 MNs/g (board only) 40MNs/g bedded in bitumen
Fire Behaviour	Euroclass F (BS EN 13501-1)
Edge Detail	Straight Edge
Standards	Manufactured to BS EN 13165

Gradient Bi3 Flat Boards

Dimensions:

Gradient Bi3 insulation is available in standard sizes and thicknesses as shown in the following table:

Width (mm)	600
Length (mm)	1200
Thickness (mm)	30, 40, 50, 60, 70, 80, 90, 100, 110, 120, 130, 140, 150

(Non standard thicknesses to special request)

Thermal Properties:

Thickness (mm)	U-value metal deck (W/m ² k)	U-value concrete deck (W/m ² k)
30	0.73	0.62
40	0.58	0.51
50	0.48	0.43
60	0.41	0.37
70	0.35	0.32
80	0.31	0.29
90	0.28	0.26
100	0.25	0.24
110	0.23	0.22
120	0.21	0.20
130	0.20	0.19
140	0.18	0.17
150	0.17	0.16

Installation Guidelines:

Installation guidelines will vary according to each individual application.

For further details regarding your installation please contact our **Technical Services Department on 01902 791888**.