

High Sound Absorbing Ceiling Beam

TRITON BAFFLE BEAM™



Description

Triton Baffle Beam™ is a linear high sound absorbing non combustible glass fibre ceiling designed to control unwanted noise reverberation and to provide an attractive linear aesthetic. They can be direct fixed to lining or suspended and are available in range of widths, depths and lengths. For long runs they are joined end on end on site. The glass fibre core is wrapped with a proprietary Sonatex™ 2 ply glass mat acoustic laminate that is available in white, black, wood look print and a range of colours.

Features and Benefits

- Long beam design provides a clean linear look
- High sound absorption rating for control of reverberation
- 40, 50 or 75mm thick in a range of standard or custom depths up to 580mm
- Group 1 fire rating
- Light weight and dimensionally stable
- Available white, black, grey, wood-grain prints and RAL colours to order
- GreenTag Certified / Level A

Technical Specifications

Item #	Size (nominal) *	Edge
BB40.01.24	40 x 100 x 2400	Square
BB40.015.24	40 x 150 x 2400	Square
BB40.02.24	40 x 200 x 2400	Square
BB40.03.24	40 x 300 x 2400	Square
BB40.04.24	40 x 400 x 2400	Square
BB40.05.24	40 x 500 x 2400	Square
BB40.06.24	40 x 600 x 2400	Square
BB50.01.24	50 x 100 x 2400	Square
BB50.015.24	50 x 150 x 2400	Square
BB50.02.24	50 x 200 x 2400	Square
BB50.03.24	50 x 300 x 2400	Square
BB50.04.24	50 x 400 x 2400	Square
BB50.05.24	50 x 500 x 2400	Square
BB50.06.24	50 x 600 x 2400	Square
BB75.01.24	75 X 100 X 2400	Square
BB75.02.24	75 x 200 x 2400	Square
BB75.03.24	75 x 300 x 2400	Square
BB75.04.24	75 x 400 x 2400	Square
BB75.05.24	75 x 500 x 2400	Square
BB75.06.24	75 x 600 x 2400	Square

Table 1: Sound Absorption Rating

50mm thick panel	α ^w 1.00 - Class A (AS ISO 11654); NRC 0.95 / SAA 0.97 (ASTM C423); Type E-200 mounting (ASTM E795) - University of Auckland Test Report T1008-02 α ^w 0.85 - Class B; NRC 0.90 / SAA 0.89; Type A mounting - University of Auckland Test Report T1008-16					
Hz	125	250	500	1000	2000	4000
ap E200	0.65	0.90	1.00	0.95	1.00	0.95
ap Type A Mount	0.15	0.55	0.95	1.00	1.00	0.90

* Special sizes to order, max width 600mm, length 2400mm

Installation

Triton Baffle Beams™ are a finishing trade, installation shall not commence until the building is water tight, dry and free of dust and debris. Screw fix or suspend APC-3000 top channel. Then friction fix baffle beam

to top channel with MS Polymer adhesive. Space baffles evenly or as required by acoustical consultant. To join panels saw cut ends and use contact adhesive to butt join. Cap open ends with Sonatex™

Specification

Acoustic panels shall be Triton Baffle Beam™ as Manufactured by Asona Ltd and Supplied by USG Boral Tel: 1800 003 377, item # (), size shall be () x ()mm, thickness shall be (25) (40) (50)(75)mm, finish shall be Sonatex 2 ply acoustic laminate in Sonatex: (White AS180), (White AS600), (White AS700) (Mid Grey RAL7040) (Light Grey RAL7030) (Grey White RAL9002) (Wood Wool Print) (Plaster Print) (Wood Print over RAL1014 Oak) (Wood Print

over RAL1013 Blond) (Wood Print over RAL8019 Walnut) (Zinc Yellow RAL1018) (Ivory RAL1014) (Graphite Black RAL9011) (Traffic Red RAL3020) (Orient Red RAL3031) (Traffic Orange RAL2009) (Traffic Green RAL6032) (Aqua RAL6027) or (1963 White Glass Woven Fibre Fabric). Panels shall be delivered to site with protective plastic film coating that is to be removed on installation. Suspend or direct fix panels to the structure using manufacturer's approved fixings.

Applications

Baffle Beams™ are ideal for reception areas, corridors, open plan offices, showrooms, galleries, hospitality and large public spaces.

Composition

Made in NZ from proprietary Sonatex™ die cut and folded over 80kg/m³ bio-soluble glass fibre core.

Sound Absorbtion

40 x 280 Beam @ 300mm centres, NRC 0.75, Test report: T1324-8. 40 x 280 Beam @ 600mm centres, NRC 0.55, Test report: T1324-9. PU coated decorative foil finish: 40 x 280 @ 300 mm centres, NRC 0.45, Text respot: T1324-10

Product Data

Colour:
White
(see specification section)

Humidity:
Max 95% RH at 45°C

Light Reflectance:
ASTM C1477 LR-1, >75%
White

Maintenance:
Clean with vacuum or soft brush

Warranty Period:
5 years

Weight:
4.1kg m²

Thermal Resistance:
R = 1.35 m²°K/W

Backloading:
Max. 1.5kg m², point loads shall be independently supported

Environmental Impact:
From 80% recycled local content, low embodied energy, Low VOC <0.002 mg M² hr per ASTM D5116

Fire Reaction

Standard	Flame Spread	Smoke Developed
ASTM E84	<25	<50
AS/NZS 3837	Group Number Classification: 1 unspinklered	
ISO 5660 Parts 1 & 2	Group Number Classification: 1	

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