

High Sound Absorbing Ceiling Panel

TRITON 40 SPORTS™



Description

Triton 40 Sports™ is a impact resistant high sound absorbing and insulating glass fibre acoustic ceiling with scuff resistant woven glass fabric facing, reflective aluminium foil backing and supported within a heavy duty USG Boral DXW T38 wide faced grid system with proprietary CLW95 hold down clips. The system is designed to control reverberation times in areas subject to impact, knocks and bumps.

Features and Benefits

- NRC 0.95 for control of reverberation
- Impact resistant construction, resists damage from bumps and knocks. Chip, crack and puncture resistant facing
- Wide faced heavy duty USG Boral DXW T38 suspension grid system with proprietary CLW95-40 hold down clips at 300mm centres to secure panels during impact
- High sound absorption, ideal for large volume spaces
- Glass fibre core with aluminium foil backing insulates and reflect radiant heat energy and is a barrier to condensation
- Light weight, easy to install, dimensionally stable in high humidity
- Custom cut to size panels available to order
- Contains 80% recycled post consumer glass waste
- Low formaldehyde VOC material

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

Technical Specifications

Item #	Size (nominal) *	Edge
TS40.0612	40 x 600 x 1200 mm	A / Square
TS40.0624	40 x 600 x 2400 mm	A / Square
TS40.1212	40 x 1200 x 1200 mm	A / Square

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

Applications

Triton 40 Sports™ is ideal for use in classrooms, gymnasiums, halls, corridors etc to control reverberation and background noise levels.

Installation

Shall not commence until the building is water tight and dry. Light fittings shall be independently supported, use CLW40 hold down brackets to secure panels against uplift from ball impact. It is recommended that air grilles be installed in the ceiling to balance air pressure differentials. Do not use in ceilings with negative air return plenums.

Substrate

Manufactured in NZ from 96kg m³ bio-soluble glass fibre board laminated with woven glass fibre fabric facing and back laminated with a low emissivity aluminium foil backing. T38 suspension grid and hold down clips from galvanised steel.

Specification

Acoustic panel shall be Triton 40 Sports™ high density glass fibre acoustical ceiling / wall panel with woven glass fibre reinforced facing. Ceiling panels shall be mounted on DXW T38 wide faced exposed grid system fixed to structure with SB3600 solid hangers at 1200 mm centres and CLW95-40 panel retaining clips at 300 mm centres. Supplied by USG Boral, # (), module () x ()mm, 40 mm thick, sound absorption, α^w 1.00, NRC 0.95, thermal insulation R1.35, fire group: 1S, colour white.

Product Data

Colour:

White

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 unsprinklered	
ISO 5660 Parts 1 & 2	Group Number Classification: 1 - S	

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