

# Triton 75 - NRC 1.05, R2.2

## Thermal and Acoustic Ceiling Panel

### Technical Data Sheet



asona

#### Description.

Triton 75™ is made in NZ 75 mm thick high sound absorbing and thermal insulating ceiling panel. Panels are available in a wide range of decorative finishes and are designed to provide R2.2 thermal insulation and exceptional low, mid and high frequency sound absorption.

#### Application.

Triton 75™ is ideal for thermal and acoustic upgrade of class rooms, halls and applications that require control of low frequency reverberation such as music rooms, recording studios, audiology testing rooms.

#### Composition.

Manufactured from 48 kg/m<sup>3</sup> bio-soluble glass wool absorber, 320 gsm Sonatex™ / Sonaris™ laminate finish. Made in NZ.

#### Benefits.

- 75 mm thick for ultra high sound absorption especially at low frequency, NRC 1.05, ISO class A,  $\alpha$ W 1.0.
- R2.2 thermal insulation rating, ideal for retrofits.
- Fire Group 1-S.
- Broad range of plain [Sonatex™](#) and perforated [Sonaris™](#) acoustic laminate finishes for design flexibility.
- Made in NZ for short lead times including replacement parts.
- Product stewardship Renew and Reuse program available.
- Packaging take back and reuse scheme available (NZ only).
- Contains 80% recycled glass waste, low VOC.
- GreenTag certified, class A.
- Durable and dimensionally stable in high humidity.
- Light weight for seismic, easy to work and trim.
- Large panels 2400 x 1200 mm, direct fix with frame.

#### Technical Specifications

Item #	Size (nominal)*	Edge
TR75.0612	75 x 600 x 1200 mm	A / Square
TR75.1212	75 x 1200 x 1200 mm	A / Square
TR75.1224	75 x 1200 x 2400 mm	A / Square

\* Other sizes to order, width 300–1200 mm, length 400–2400 mm

Sound Absorption Rating:							
Class A, $\alpha$ W 1.0 per ISO 11654; Test report T0405-06 ISO 354 E-200 method; NRC 1.05 per ASTM C423							
Hz	125	250	500	1000	2000	4000	
$\alpha$ p E200	0.80	1.00	1.00	1.00	1.00	1.00	
$\alpha$ p A	0.60	1.00	1.00	1.00	1.00	1.00	

#### Accessibility:

All panels are demountable and accessible when suspended.

#### Back Loading:

Max. 1.5 kg/m<sup>2</sup>, point loads shall be independently supported.

#### Environmental Impact:

GreenTag certified level A, contains 80% recycled content, product and packaging can be recycled in NZ. Low VOC.

#### Fire Reaction:

NZBC verification method C/VM2 material Group: 1-S. NCC BCA C1.10 clause 4, spec A2.4 clause 4. Group 1.

#### Humidity:

Max 99% R/H at 45°C.

#### Laminate Finishes:

Triton 75™ is available in standard Sonatex™ white, black, colours and wood prints and Sonaris™ perforated laminate. Refer online [Sonatex™](#) and [Sonaris™](#) charts for colour and size options.



#### Light Reflectance Value:

85% per BS8493:2008, White

#### Maintenance:

Clean with a vacuum, soft brush or damp cloth. Re-surfacing of soiled panels available, consult Asona.

#### NZ Building Code:

Clause B2—durability, 5 years

#### Packaging Take Back Scheme:

Flat pack cartons on site and return to Asona for reuse.

#### Renew & Reuse Program:

Soiled or damaged panels can be resurfaced with new Sonatex™ or Sonaris™ laminates for reuse in the ceiling. Helps extend life cycle and reduce construction waste.

#### Service Panel Protection:

Panels are available with removable protective foil covering to help keep panels clean during the construction phase.

#### Stewardship Program:

Register the ceiling installation on practical completion with Asona Renew and Reuse program.

#### Thermal Resistance:

R2.2 m<sup>2</sup>/°C/W

#### Warranty:

15 year limited warranty against manufacturing defects, extendable to 30 years when registered for Asona's Renew and Reuse program.

#### Weight:

3.9 kg/m<sup>2</sup>

#### Installation:

Shall not commence until the building is water tight and dry. M/E services shall be independently supported. Not for air return plenums. 1200 x 2400 mm panels designed for direct fixing with cover battens to joins.

#### Specification:

Ceiling system shall be Asona Triton 75™ acoustic ceiling as manufactured by Asona Ltd Auckland NZ Tel: +64(0)9 525 6575 info@asona.co.nz. Selected panel shall be item # ( ), size 75 x ( ) x ( )mm, square edge with Sonatex™ finish (white) (black) (RAL colour # ) (wood-look print) (Sonaris™ perforated pattern # ),  $\alpha$ W 1.00, NRC 1.05, Fire Group 1-S. Suspension system for 600 x 1200mm and 1200 x 1200mm panels shall be Rondo Donn DX two way exposed grid system, grid colour (white)(black). 1200 x 2400mm panels direct fix with cover battens over joins. (Supply service panels with protective removable foil). Contractor shall flat pack packaging and return to Asona for reuse and register the ceiling with Asona Renew and Reuse product stewardship program on practical completion. (Asona ceiling Masterspec specification available).

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#### ISO 9001:2015 Registered Firm No. NZ1014

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\*All dimensions are nominal. We reserve the right to change specifications.  
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