Triton 25™ - NRC 0.95

High Sound Absorbing Ceiling Panel

Technical Data sheet

Description.

Triton 25™ is a high sound absorbing glass fibre ceiling panel designed to control unwanted noise in interior spaces. Triton is available in a wide range of decorative acoustic finishes from Sonatex™, white, colours and perforated laminates.

Application.

Triton 25™ is ideal for use in open plan offices, schools, call centres, libraries and other applications that require control of background noise levels and reverberation times.

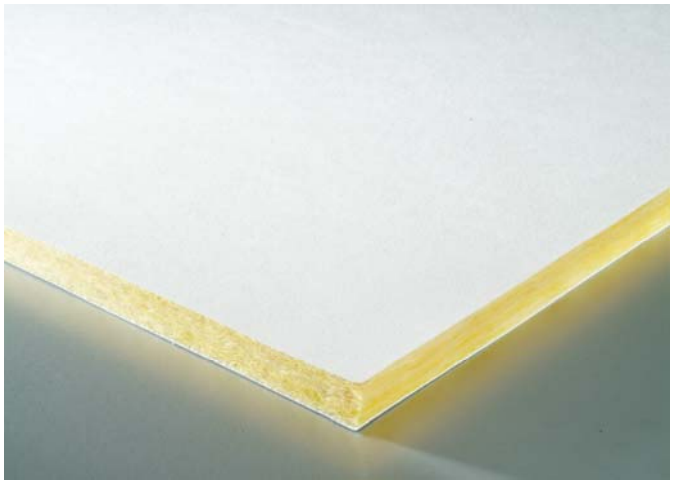
Composition.

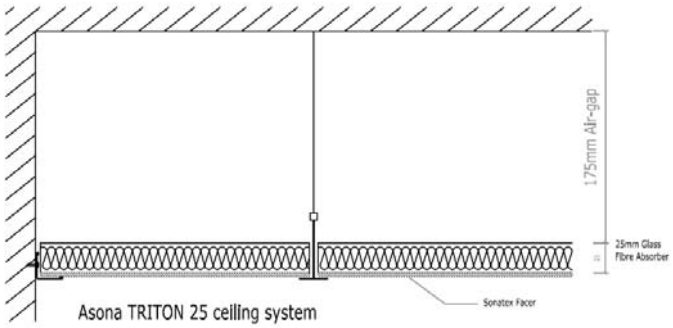
Manufactured from compressed bio-soluble glass wool with heavy duty 320 gsm Sonatex™ composite facing. Suspension grid from galvanised steel.

Benefits.

- Very high sound absorption rating to control reverberation, NRC 0.95, ISO 11654 class A, αW 1.0, provides more absorption per sq.m than other acoustic materials.
- Heavy duty 320 gsm Sonatex™ composite facing is more resistant to damage compared to light duty tissue facings.
- Gain NZ green star credits with Triton ceilings.
- Board form 80% recycled local glass.
- Low formaldehyde > 0.05 gm
- Renew and recycle service available to extend product life and reduce construction waste.
- Short lead times, custom sizes and colours available. Cut to size option reduces site waste.
- Available in custom sizes and removable protection foil to keep panels clean during installation.
- Resurface and renew soiled panels to extend product life.
- Easy to work, dimensionally stable in high humidity.

Coda Digital Music shop, Triton 25, 1200 x 1200 on TFX tissue faced grid





Technical Specifications

Item #	Size (nominal) *	Edge
TR25.0312	25 X 300 X 1200 mm	A / Square
TR25.0606	25 x 600 x 600 mm	A / Square
TR25.0612	25 x 600 x 1200 mm	A / Square
TR25.0618	25 x 600 x 1800 mm	A/ Square
TR25.0624	25 x 600 x 2400 mm	A/ Square
TR25.1212	25 x 1200 x 1200 mm	A / Square

Sound Absorption Rating:
αW 1.0; Class A; NRC 0.95 per ASTM C423
ISO 354 E-200, Test report T0405-05, standard white or black

Hz	125	250	500	1000	2000	4000
αp	0.55	0.85	1.00	0.95	1.00	1.00

Triton 25™ - NRC 0.95

High Sound Absorbing Ceiling Panel

Technical Data

Otara library, Triton 25, 1200x1200mm, DX grid

National Archive Library, Auckland, Triton 25 with Sonaris S4 / grey on grey facing

Accessibility:
All panels are demountable and accessible

Back loading:
Max. 1.5 kg/m², point loads shall be independently supported.

Finishes:
Sonatex™: perforations & colours: (White AS180) (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).

Environmental impact:
Board manufactured from 80% recycled glass waste, low VOC less than 0.002 mg/m²/hr, low embodied energy, low transport km's vs imports. Soiled panels can be recycled with new acoustic facing to reduce landfill waste.

Fire Reaction:
Material group number: 1S (highest rating) C/VM2 / ISO 5660.1.
Suitable for fire exit way and all other sprinklered & non sprinklered buildings.

Humidity:
Max 99% R/H at 45°C.

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

Maintenance:
Clean with vacuum, soft brush or damp cloth.
Re-surfacing of damaged panels available, consult Asona.

NZ Building Code:
Exceeds clause B2—durability

Service Panels:
Available with strippable protective plastic film covering to help keep panels cleaning during the construction phase.

Thermal Resistance:
R 0.7 m²°C/W

Weight:
1.5 kg/m²

Installation:
Shall not commence until the building is water tight and dry. Light fittings shall be independently supported, use hold down clips in areas of wind uplift. It is recommended that air grilles be installed in the ceiling to balance air pressure differentials.

Specification:
Ceiling system shall be Triton 25 high sound absorbing ceiling from compressed bio-soluble glass wool with heavy duty 320 gsm Sonatex™ composite facing as manufactured by Asona. Tel: 1800 240 361, # (_), module (_) x (_) mm, 25 mm thick, sound absorption Class A, αW 1.0, NRC 0.95, thermal insulation R0.7, fire group is 1S, Sonatex™ colour: (White AS180) (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). Sonatex™ (perforations) with two way exposed suspension system. Supply service panels with protective strippable plastic film facing.

Supplied by:

Asona
Tel:1800 240 361
info@asona.com.au
www.asona.com.au

Factory:
Building 14, 7 Cain Road
Penrose, Auckland, New Zealand
Tel: +64(9) 525 6575

Ref. Triton 25 –1605AU

Triton 50™ - NRC 1.00

High Sound Absorbing Ceiling and Wall Panel

Technical Data sheet

Fisher & Paykle call centre, Auckland

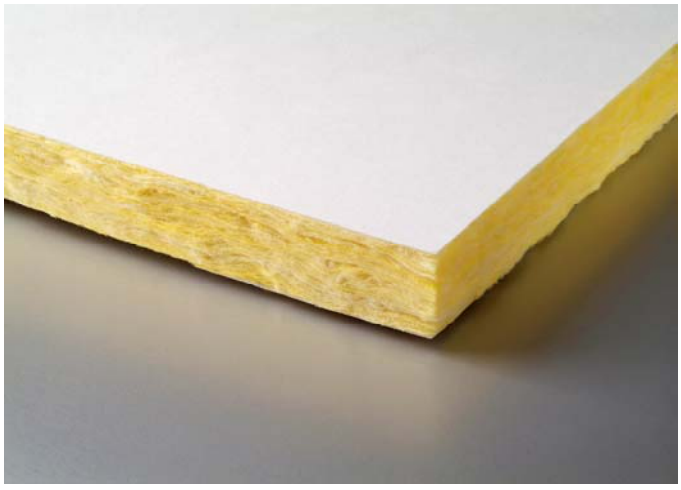
Description.
Triton 50™ is a high sound absorbing glass fibre ceiling panel designed to control unwanted noise in interior spaces. Triton is available in a wide range of decorative acoustic finishes from plain & coloured Sonatex™ to perforated Sonatex™ laminates.

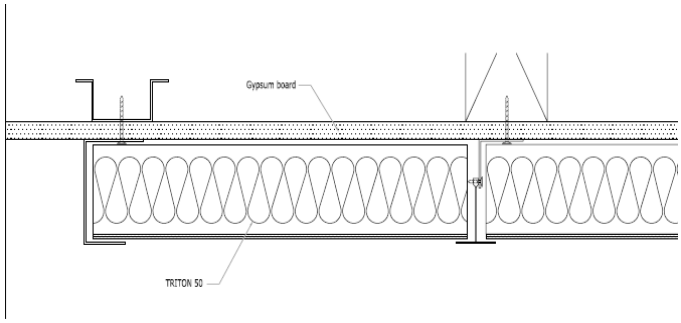
Application.
Triton 50™ is ideal for suspended ceilings or direct fix over plasterboard linings to maximise sound absorption. Ideal for call centres, open plan offices, halls, classrooms, libraries etc.

Composition.
Manufactured from 38 kg/m³ resin bonded bio-soluble glass fibre board laminated with proprietary Sonatex™ glass mat composite facing. Framing from galvanised steel powder coated or tissue faced to match panel.

Benefits.

- 50 mm thick panel for superior sound absorption at low to high frequencies.
- Can be suspended or direct fixed over plasterboard linings to reduce reflections from hard surfaced.
- Custom sizes and colours available to order
- Gain Green Star credits with Triton ceilings.
- Low formaldehyde >0.05 gm
- Renew & recycle service available to extend product life and reduce construction waste.
- Short lead times, contains 80% recycled glass waste.
- Light weight, easy to install, dimensionally stable.





Triton 50™ - NRC 1.00

High Sound Absorbing Ceiling and Wall Panel

Technical Data sheet

Triton 50, 2400 x 1200 panels direct fixed over plasterboard lining.

Triton 50 with Sonatex S7-1100, white on grey facing

Technical Specifications

Item #	Size (nominal) *	Edge
TR50.0612	50 x 600 x 1200 mm	A / Square
TR50.1212	50 x 1200 x 1200 mm	A / Square
TR50.1218	50 x 1200 x 1800 mm	A / Square
TR50.1224	50 x 1200 x 2400 mm	A / Square
TR501230	50 x 1200 x 3000mm	A / Square

* Special order, width 300—1200 mm, length 400—3000 mm

Sound Absorption Rating:
ISO 354 E-200 αW 1.0; NRC 1.05 per ASTM C423
Test reports T0601-2, T0601-5

Hz	125	250	500	1000	2000	4000
αp E200	0.70	1.00	1.00	1.00	1.00	0.95
αp A	0.25	0.85	1.00	1.00	0.95	0.90

Accessibility:
All panels are demountable and accessible

Back loading:
Max. 1.5 kg/m², point loads shall be independently supported.

Finishes:
Sonatex™ colour: (White AS180) (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).

Environmental impact:
From 80% recycled local glass waste, low embodied energy, damaged or soiled panels can be resurfaced with new facing to reduce construction waste, consult Asona. VOC <0.002 Mg/M²/hr per ASTM D5116

Fire Reaction:
Material group number: 1S (highest rating) C/VM2 / ISO 5660.1. Suitable for fire exit way and all other sprinklered & non sprinklered buildings.

Humidity:
Max 99% R/H at 45°C.

Light reflectance:
ASTM C1477 LR-1, >82% (white)

NZ Building Code:
Clause B2—durability, 5 years

Maintenance:
Clean with vacuum, soft brush or damp cloth. Damaged panels can be repaired and renewed, consult Asona.

Service Panels:
Available with protective plastic film covering to help keep panels cleaning during the construction phase.

Thermal Resistance:
R 1.47 m²°C/W

Weight:
1.9 kg/m²

Installation:
Shall not commence until the building is water tight and dry. Light fittings shall be independently supported, use hold down clips in areas of wind uplift. For suspended ceilings it is recommended that air grilles be installed to balance air pressure differentials. For walls, fit panels above wainscot height to prevent damage from knocks and bumps.

Specification:
Acoustical treatment shall be Asona Triton 50 high sound absorbing glass fibre panels as manufactured by Asona tel: 1800 240361, item # (_), module (_) x (_)mm, 50 mm thick, sound absorption type shall be Triton 50mm glass fibre board, thermal insulation R1.47, fire group: 1S, Sonatex™ colour: (White AS180) (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). Sonatex™ (perforations) install on suspension system in module to suit panel. Supply service panels with protective strippable plastic film facing.

Supplied by:

Asona
Tel:1800 240 361
info@asona.com.au
www.asona.com.au

Factory:
Building 14, 7 Cain Road
Penrose, Auckland, New Zealand
Tel: +64(9) 525 6575

Ref. Triton 50 –1605AU

Triton 75 - NRC 1.05

High Sound Absorbing Ceiling Panel

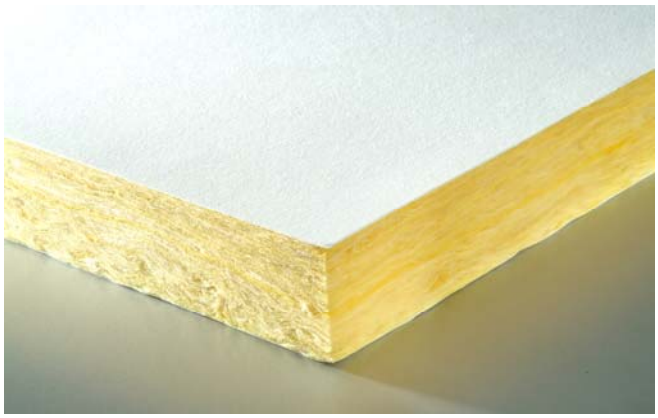
Technical Data sheet

Description.
Triton 75™ is a 75 mm thick high sound absorbing ISO class A ceiling panel with toughened Sonatex™ composite facer for robust durability and a clean white finish. Triton 75™ provides exceptional low, mid and high frequency sound absorption and R2.2 thermal insulation.

Application.
Triton 75™ is ideal for large volume spaces and applications that require control of low frequency reverberation, recording studios, audiology testing rooms, halls, call centres, open plan offices.

Composition.
Manufactured from toughened Sonatex™ composite facer panel laminated to a 75 mm x 35 kg/m³ resin bonded bio-soluble glass fibre sound absorber board. TFX suspension grid from galvanised steel with Sonatex tissue facer.

Benefits.
- 75 mm thick for ultra high sound absorption especially at low frequency, NRC 1.05, ISO class A, αW 1.0
- Dimensionally stable in high humidity.
- R2.2 for added insulation efficiency in buildings.
- High light reflectance, light weight, easy to install, low embodied energy product.
- Protective strippable plastic film facer option to keep service panels clean during installation.
- Low embodied energy, contains 80% recycled local glass waste, low transport km's vs. imports.



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, αW 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
αp E200	0.80	1.00	1.00	1.00	1.00	1.00
αp A70	0.60	1.00	1.00	1.00	1.00	1.00

Accessibility:
All panels are demountable and accessible

Back loading:
Max. 1.5 kg/m², point loads shall be independently supported.

Colour:
White, other colours and patterns to order.

Environmental impact:
From 80% recycled local content, low embodied energy, product and packaging can be recycled. Low VOC.

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

Fire Reaction:
Material group number: 1S (highest rating) C/VM2 / ISO 5660.1. Suitable for fire exit way and all other sprinklered & non sprinklered buildings.

Humidity:
Max 99% R/H at 45°C.

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

NZ Building Code:
Clause B2—durability, 5 years

Service Panels:
Available with protective strippable plastic film covering to help keep panels cleaning during the construction phase.

Thermal Resistance:
R2.2 m²°C/W

Weight:
3.5 kg/m²

Installation:
Shall not commence until the building is water tight and dry. Light fittings shall be independently supported, use hold down clips in seismic areas. 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 unless encapsulated option specified (ref. Asona).

Specification:
Ceiling shall be Triton 75 composite acoustical ceiling system by Asona. Tel: 1800 240361, #item (_), module (_) x (_)mm, 75 mm thick, sound absorption class A, αW 1.0, NRC 1.05, thermal insulation R 2.2, colour white, suspended panels on (T24)(T38) two way exposed suspension system. Supply service panels with protective strippable plastic film facing.

Supplied by:

Asona
Tel:1800 240 361
info@asona.com.au
www.asona.com.au

Factory:
Building 14, 7 Cain Road
Penrose, Auckland, New Zealand
Tel: +64(9) 525 6575

Ref. Triton 75 –1605AU

Triton 100 - NRC 1.05

High Sound Absorbing Ceiling Panel

Technical Data sheet

Description.

Triton 100™ is a 100 mm thick high sound absorbing ISO class A ceiling panel with toughened Sonatex™ composite facer for robust durability and a clean white finish. Triton 100™ provides exceptional low, mid and high frequency sound absorption and R3.0 thermal insulation.

Application.

Triton 100™ is ideal for large volume spaces and applications that require control of low frequency reverberation, recording studios, audiology testing rooms, halls, call centres, open plan offices.

Composition.

Manufactured from toughened Sonatex™ composite facer panel laminated to a 100 mm x 38 kg/m³ resin bonded bio-soluble glass fibre sound absorber board. TFX suspension grid from galvanised steel with Sonatex tissue facer.

Benefits.

- 100 mm thick for ultra high sound absorption especially at low frequency, NRC 1.05, ISO class A, αW 1.0
- Durable resilient composite panel resists damage from moderate impact; chip, crack, puncture resistant.
- R3.0 for added insulation efficiency in buildings.
- Matching finish TFX grid for a monolithic aesthetic.
- High light reflectance, light weight, easy to install, low embodied energy product.
- Protective strippable plastic film facer option to keep service panels clean during installation.
- Low embodied energy, contains 80% recycled local glass waste, low transport km's vs imports.

Technical Specifications

Item #	Size (nominal)*	Edge
TR100.0612	100 x 600 x 1200 mm	A / Square
TR100.1212	100 x 1200 x 1200 mm	A / Square
TR100.1224	100 x 1200 x 2400 mm	A / Square
TR100.1230	100 x 1200 x 3000 mm	A / Square

Sound Absorption Rating:
Class A, αW 1.0 per ISO 11654;
ISO 354 E-200 method; NRC 1.05 per ASTM C423

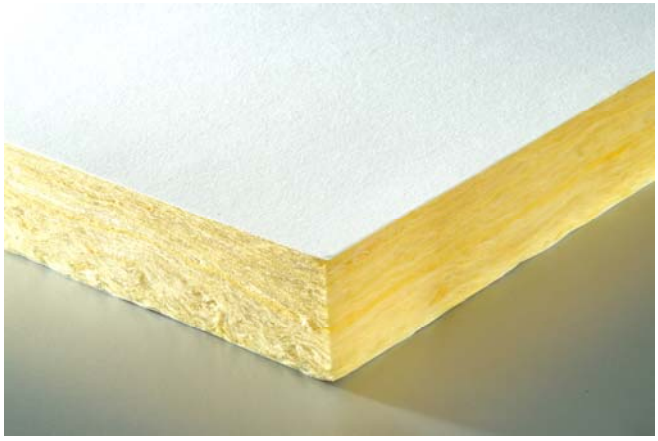
Hz	125	250	500	1000	2000	4000
αp E200	0.100	1.00	1.00	1.00	1.00	1.00
αp A70	0.90	1.00	1.00	1.00	1.00	1.00

Accessibility:
All panels are demountable and accessible

Back loading:
Max. 1.5 kg/m², point loads shall be independently supported.

Colour:
White, other colours and patterns to order.

Environmental impact:
Glass board made from 80% recycled local content, low embodied energy, product and packaging can be recycled in NZ. Low VOC <0.002 Mg/M²/hr per ASTM D5116



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

Fire Reaction:
Material group number: 1S (highest rating) C/VM2 / ISO 5660.1. Suitable for fire exit way and all other sprinklered & non sprinklered buildings.

Humidity:
Max 99% R/H at 45°C.

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

NZ Building Code:
Clause B2—durability, 5 years

Service Panels:
Available with protective strippable plastic film covering to help keep panels cleaning during the construction phase.

Thermal Resistance:
R3.0 m²°C/W

Weight:
4.00 kg/m²

Installation:
Shall not commence until the building is water tight and dry. Light fittings shall be independently supported, use hold down clips in seismic areas. 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 unless encapsulated option specified (ref. Asona).

Specification:
Acoustic panel shall be Triton 100™ high sound absorbing glass fibre panel by Asona. Tel: 1800 240 361 #item (_), module (_) x (_)mm, 100 mm thick, sound absorption class A, αW 1.0, NRC 1.05, thermal insulation R 3.0, fire group: 1S, colour white, suspend on (T24)(T38) two way exposed suspension system. Supply service panels with protective strippable plastic film facing.

Supplied by:

Asona
Tel:1800 240 361
info@asona.com.au
www.asona.com.au

Factory:
Building 14, 7 Cain Road
Penrose, Auckland, New Zealand
Tel: +64(9) 525 6575

Ref. Triton 100 –1605AU