

Knauf Danoline Belgravia™

Perforated Plasterboard Ceiling Tile

Technical Data sheet—BPIR Class 1



asona

Description.

Belgravia™ is an imported perforated plasterboard ceiling tile with machine routed rebated edge detail to suit Rondo Donn DX® 24mm exposed grid systems. Panels are pre-finished white with acoustic tissue backer and provide an attractive perforated texture to ceilings. Available to indent in Tangent 14 x 4mm oval, Micro 3 x 3 mm square, Quadril 12 x 12 mm square and Globe 6 mm Ø perforations or non-perforated for borders. Panels incorporate Cleaneo™, air purification technology.

Application.

Belgravia™ is ideal for general suspended accessible ceilings in offices, civic, retail, education, hospitality etc.

Composition.

Panels manufactured from reinforced plasterboard incorporating Cleaneo™ technology, with a latex paint finish, machine formed rebated edge with an acoustic tissue backer.

Features & Benefits.

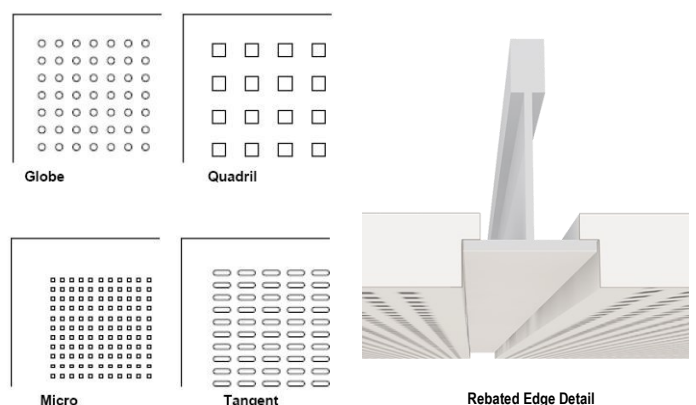
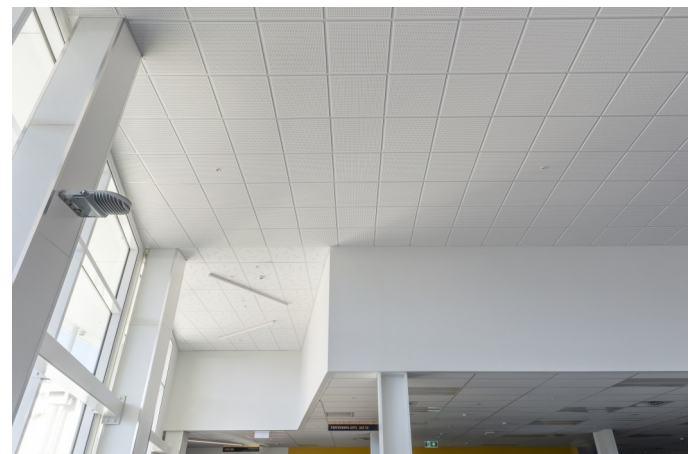
- 4 x perforation designs and 1 x plain panel option.
- Excellent sound absorption at important 250– 2000 Hz speech frequencies for comfort and communication.
- Fire Group 1-S
- Machined reveal edge detail.
- Durable fire resistant gypsum composition for long life.
- Cleaneo™ technology improves indoor air quality.
- Non mineral fibre based acoustic ceiling solution for a healthy comfortable indoor environment.

Technical Specifications

Perforation Style	Open Area	Size (nominal)
Tangent, 14 x 4 mm oval holes	21.3 %	600 x 600 x 12.5mm
Micro, 3 x 3 mm square holes	10.2 %	600 x 600 x 12.5mm
Quadril, 12 x12mm square holes	13.0 %	600 x 600 x 12.5mm
Globe, 6 mm ø round holes	10.2 %	600 x 600 x 12.5mm
Regula, non-perforated.	0%	600 x 600 x 12.5mm

* Orders by indent only, lead time 12-14 weeks

Sound Absorption Rating: α _w 0.60– 0.75 per ISO 354 E-200							
	Hz	125	250	500	1000	2000	4000
Tangent T1	α _p	0.45	0.65	0.80	0.75	0.75	0.75
Micro M1	α _p	0.40	0.55	0.65	0.60	0.60	0.55
Quadril Q1	α _p	0.45	0.60	0.70	0.65	0.60	0.45
Globe G1	α _p	0.45	0.65	0.80	0.65	0.55	0.45
Regula R1	α _p	0.40	0.20	0.10	0.05	0.05	0.00



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Accessibility:

All panels are demountable for access to plenum.

Colour:

Low gloss white. Others to order.

Environmental:

The gypsum boards are made from following gypsum types: naturally occurring gypsum, gypsum produced from by-products at local power plants during desulphurisation, pre-consumer recycled gypsum waste produced through the production processes and post-consumer recycled gypsum. Low embodied energy, product and packaging can be recycled in NZ. VOC <0.002 Mg/M²/hr per ASTM D5116.

Light Reflectance Value:

DIN 5036, >70% White.

Limitations:

- Not for use in external applications, wet areas, in contact with moisture or in extreme humidity or temperature conditions.
- Not for use with negative air return plenums.
- Maximum humidity/temperature 90% R/H at 30°C.
- Back loading - Light fixture and other loads shall be independently supported.
- Lead time 12-14 weeks, indent only.

Maintenance:

Clean with vacuum, soft brush or damp cloth.

NZ Building Act

This product is not subject to a warning or ban under Section 26.

NZ Building Code Compliance:

- B2 Durability – Clause B2.3.1 (c) (i): Knauf Belgravia with only normal maintenance will have a minimum durability of at least 5 years when installed in accordance with; manufacturer's installation requirements and AS/NZS 2785:2020.
- C3 Fire – Clause C/AS2 3.4(a): Knauf Belgravia has a Fire Material Group Number 1-S (A2-s1) by MBIE Building Performance Surface Finishes Standards Comparison 2938, 01 March 2015, in accordance with EN 13501-1:2002.

Warranty:

15 year limited warranty against manufacturing defects.

Weight:

Perforated: 3.25 kg per 594 x 594 mm panel, 9.2 kg/m²,
Plain Regula: 3.5 kg per 594 x 594 mm panel, 9.9 kg/m².

Installation:

Shall not commence until the building is watertight and dry. This product is designed to be mounted into a two-way exposed grid system and installed to manufacturer's and AS/NZS 2785:2020 Standard's requirements. Light fittings shall be independently supported. Seismic design may require a suitably qualified engineer. Air grilles may be required to balance air pressure. Care shall be taken when handling tiles to avoid damage.

Specification:

Ceiling shall be Knauf Danoline Belgravia™ perforated gypsum acoustical ceiling system with Cleaneo™ technology, as supplied by Asona Ltd, tel: +64 (9) 525 6575, info@asona.co.nz, perforation pattern shall be (Tangent, T1 14 x 4mm oval), (Micro M1 3 x 3 mm) (Quadriil Q1 12 x 12 mm) (Globe G1 6 mm diameter) (Regula non-perforated) with acoustic tissue backing, (aW/NRC 0.60 min.), (Tangent aW 0.80/NRC 0.75), pre-painted white, Fire Group 1-S, size 600 x 600 x 12.5mm, suspension shall be Rondo Donn® DX two way exposed grid system with (shadow-line) (L angle) wall trim. Contractor shall register the ceiling with Asona on practical completion.
(Asona ceiling Masterspec 5311AS specification available).



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ISO 9001:2015 Registered Firm No. NZ1014

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