owa humancare™

HYGIENIC MINERAL FIBRE CEILING PANEL RANGE

TECHNICAL DATA SHEET BPIR - CLASS 1

Acoustic Ceiling and Wall Solutions

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Hygienic Mineral Fibre Ceiling Panel Range

Technical Data Sheet - BPIR Class 1

OWA Humancare™ is a range of mineral fibre panels with an antimicrobial fleece covered surface. OWA Humancare™ contributes significantly to ensuring optimum spatial acoustics with sound absorption NRC 0.70—0.95 combined with a Group 1-S fire rating. Humancare™ white antimicrobial surface actively combats the multi-resistant hospital bug MRSA and the murine norovirus as well as being compliant with the internationally recognised JIS Z 2801 standard.

Application

Panel options are suitable for laboratories, medical and industrial high-tech facilities. OWA Humancare™ combines the highest standards for both purity and safety, even in the most demanding working environments. With Humancare™, you have already begun minimising the risk of hospital infection in the planning phase by using suitable building materials.

Features & Benefits

- Anti-microbial coating actively combats the multi-resistant hospital bugs MRSA and the murine norovirus.
- Compliant with international JIS Z 2801 standard.
- Designed for hygiene-sensitive areas.
- Cleanroom Class, ISO 3 & 4 options.
- Surfaces can be cleaned or vacuumed without compromising any of the hygienic functionality. See separate details.
- Fire Group 1-S.
- Global GreenTag certified, Level A
- Elegant fleece-covered surface design.
- Fine plain finish & high light reflectance.
- High sound absorption, NRC 0.70– 0.95.
- Good attenuation, CAC 24-41.
- Easy to trim and install.
- Made in Germany to the highest quality standards.

Composition

15 & 20mm thick wet felt mineral fibre ceiling panel with a smooth plain white fleece finish and an antimicrobial coating. The OWA Humancare™ antimicrobial surface demonstrates effective germicidal properties with a reduction rate of four or five log levels.

Tile Sizes & Edges

Tile Type	Size (nominal)	Edge *
Humancare Pro	20 x 600 x 600 mm	03 - SQ
	20 x 600 x 1200 mm	03 - SQ
Humancare Plus	20 x 600 x 600 mm	03 - SQ
	20 x 600 x 1200 mm	03 - SQ
	20 x 600 x 600 mm	6 - Rebated
	20 x 600 x 1200 mm	6 - Rebated
Humancare Lab	20 x 600 x 600 mm	03 - SQ
	20 x 600 x 1200 mm	03 - SQ
Humancare Sinfonia Privacy	20 x 600 x 600 mm	03 - SQ
	20 x 600 x 1200 mm	03 - SQ
	20 x 600 x 600 mm	6 - Rebated
	20 x 600 x 1200 mm	6 - Rebated
Humancare Sinfonia C	15 x 600 x 1200 mm	03 - SQ
Humancare Sinfonia	15 x 600 x 600 mm	03 - SQ
	15 x 600 x 1200 mm	03 - SQ
	15 x 600 x 600 mm	6 - Rebated
	15 x 600 x 1200 mm	6 - Rebated

Application Areas

Humancare Pro	Humancare Plus	Humancare Lab	Humancare Sinfonia	Humancare Sinfonia Privacy	Humancare Sinfonia C
Treatment rooms	Treatment rooms	Laboratories	Reception areas	Meeting rooms	Corridors
Recovery rooms	Recovery rooms	Positive/ negative pressure rooms	Treatment rooms	Corridors	Offices
Sanitary areas	Humid rooms	Clean rooms	Recovery rooms	Recovery rooms	Recovery rooms
Humid rooms	Therapy rooms		Recreation/ break rooms		
Therapy rooms					
Operating theatres/ICU					

ISO 9001:2015 Registered Firm No. NZ1014

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All dimensions are nominal. We reserve the right to change specifications .
Ref. OWH-26.08

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Technical Specifications:

Hygiene Details	Pro	Plus	Lab	Sinfonia Privacy	Sinfonia C	Sinfonia
Tested to Hygiene Standards	NF S 90 - 351:2013 ASTM D3273 ASTM 2180-07	NF S 90 - 351:2013 ASTM D3273	NF S 90 - 351:2013	NF S 90 - 351:2013 JIS Z 2801	NF S 90 - 351:2013 JIS Z 2801	NF S 90 - 351:2013 JIS Z 2801
Germ Reduction Rates	Up to 7 log units	Up to 7 Log units	Up to 7 Log units	Up to 5 Log units	Up to 5 Log units	Up to 5 Log units
Types of Cleaning	A,B,C,E,F,G	A,B,C,E,F,G	A,B,C,E,F,G	A,C,G	A,C,G	A,C,G
Disinfect-ability	Wipe	Wipe	Wipe	Spray	Spray	Spray
Clean Room Class	ISO 3	ISO 4	ISO 3	ISO 4	ISO 4	ISO 4
Technical Details	**Pro**	**Plus**	**Lab**	**Sinfonia Privacy**	**Sinfonia C**	**Sinfonia**
NRC	0.95	0.90	0.70	0.70	0.70	0.85
CAC	24	30	34	41	34	30
Weight - kg/m²	3.3	4.4	5.6	6.4	4.0	3.3
Packaging 1200 x 600	8	8	8	8	10	10
Packaging 600 x 600	10	10	10	10	12	12

NB: Panels are available on indent only. Lead times and MoQ apply.

Accessibility:
All panels are de-mountable and accessible

Colour:
White

Environmental Impact:
Global GreenTag certified, Level A. Recycle packaging after use.

Light Reflectance Value:
ISO 7724-2, ISO 7724-3, >84% White

Limitations:
- For interior use only, and not in direct contact with water.
- Maximum humidity/temperature:
  - 100% R/H at 30°C for Pro/Plus/Lab.
  - 99% R/H, 30°C for Sinfonia Privacy/Sinfonia C/Sinfonia
- Back loading max. 0.5kg/m², point loads to be independently supported.
- Indent only, lead times and MoQ apply.

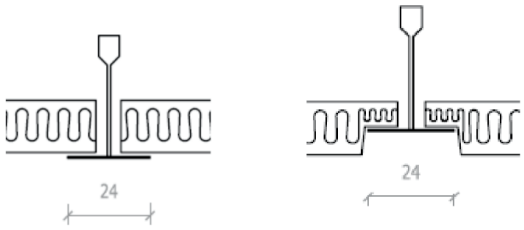
Maintenance:
- A - Vacuuming
- B - Wiping
- C - Dusting
- E - Wipe scrubbing
- F - Disinfectant—wipe
- G - Disinfectant-spray

(Refer recommended Cleaning Procedure technical data for full descriptions)

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): OWA ceiling tiles 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 4.12.1: OWA Humancare have a Fire Material Group Number 1-S by NZBC Building Product Specification Parts 8.5.4 or 8.5.5, tested in accordance with ISO 9705 or ISO 5660.

Technical Drawing



03 - SQ 6 - Rebated

Warranty:
15 year limited warranty against manufacturing defects, when installed in Rondo Donn DX® exposed grid systems supplied by Asona.

Installation:
Shall not commence until the building is watertight and dry. This product is designed to be mounted into a Rondo Donn DX® two-way exposed grid system and installed to manufacturer's and AS/NZS 2785:2020 Standard's requirements. Seismic design may require a suitably qualified engineer. Hold down clips may be required in areas of wind uplift, or seismic areas. Care shall be taken when handling tiles to avoid damage

Specification:
Ceiling system shall be OWA Humancare™ (Pro)(Plus)(Lab)(Sinfonia Privacy)(Sinfonia C)(Sinfonia) as supplied by Asona Ltd: 09 525 6575, module 600 x (_)mm, x (15) (20)mm thick, (3/square edge) (6/rebated) Fire Group 1-S. Sound absorption NRC (_), CAC (_), R/H (100)(99) % colour white with anti-microbial coating. Suspension shall be Rondo Donn DX® exposed grid. Contractor shall register the ceiling on practical completion.
(Asona ceiling Masterspec 5311AS specification available).

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Recommended Cleaning Procedures

A Vacuuming:
Tool: Standard commercially available vacuum cleaner with a filter attachment (dust prevention) and flat brush attachment.
Procedure: Operate the vacuum cleaner at moderate power. Applying slight pressure, extensively vacuum the surfaces.
Please take great care not to loosen the surface layers from the structure when cleaning (adjust the cleaning pressure, risk of injury). In the event of serious soiling, and of frequent cleaning operations, it is advisable to secure the Humancare™ tiles from lifting (e.g. with hold down clips).

B Wiping:
Tool: Damp cloth or sponge.
Procedure: Soak the cleaning sponge in clean water and then wring it out well. Basic dirt (fingerprints, etc. - no lubricating impurities) can be removed by wiping gently
(*B1). In case of heavy soiling, a neutral and mild detergent (colourless) can be used. To ensure the tolerability of a detergent, we recommend testing the surface beforehand on an area that is not visible
(*B2). Make sure that the edges and the back of the tile are not exposed to moisture.
Please take great care not to loosen the surface layers from the structure when cleaning (adjust the cleaning pressure, risk of injury). In the event of heavy soiling or of frequent cleaning cycles, it is advisable to secure the Humancare™ tiles from lifting (e.g. with hold down clips). Finally, wipe with a clean, white microfibre cloth to remove excess liquid and allow the surface to dry after cleaning.

C Dusting:
Tool: Duster, vacuum cleaner
Procedure: Move the duster or vacuum cleaner over the surface, applying moderate pressure (see A).
Please note: The use of cleaning cloths (dry or damp) may lead to discolouration (degree of gloss, streaking, etc.). Please also look at the note under *B2.

E Wipe Scrubbing:
Increased resistance against cleaning processes (ASTM 4828 and "Gardner Test" with min. 250 cycles).
Tool: Damp cloth or sponge.
Procedure: There is increased resistance to wipe scrubbing. These products have a high level of robustness.
Cleaning instructions: See points B and C.

F Disinfecting - wipe disinfection:
The tiles can be disinfected with all common disinfectants.

G Disinfecting - spray disinfection:
Even without additional measures, the tile actively combats bacteria, viruses and fungi. But for applications requiring additional disinfectability, you can also treat the tiles with spray disinfection. To do so, apply two spray applications (standard commercially available handheld spraying device) with e.g. 10 % ACTICIDE®-BAC-50-M solution or Meliseptol® (44 % ethanol solution) to each tile.

Note
If the tiles are dirty or covered with aggressive media (alkaline solutions, acids, fat/grease, etc.), it may not be possible to preserve a high-quality appearance after cleaning.

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