



Sports Impact Resistant Acoustic Ceiling Panel

Technical Data sheet

ASONA

Description.

Contrapanel™ is a sports impact resistant perforated acoustic ceiling and wall panel designed for gymnasiums, halls, schools. Ball impact tested to DIN 18032 pt 3 with a 450 gm hand ball shot against panel 60 times at 16.5 m/sec without damage. Panels press punch perforated GIF 6mm diameter holes with plain panels available for perimeter cuts. Acoustic tissue backer and face laminated with white foil facing for easy cleaning and high light reflectance. Panels are screw fixed to furring and butt joined with 3mm bevel edge exposed.

Application.

Contrapanel™ is very robust and ideal for applications where physical impact occurs. Schools, gymnasiums, sport halls.

Composition.

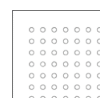
Panels manufactured from white foil faced reinforced plaster-board with grey sound absorption felt fixed on the back. Perforations press punched for clean edge finish.

Benefits.

- High impact resistant—meets DIN 18032 ball impact test.
- Good sound absorption for control of reverberation.
- Fire resistant gypsum composition superior to wood panels
- Clean white foil facing, resists marking and easy to clean



G1F



Technical Specifications

Sizes:

- 12.5 x 600 x 1200 mm
- 12.5 x 600 x 1800 mm
- 12.5 x 600 x 2400 mm

Perforations:

G1 Globe 6 mm \varnothing , Regula non perforated for perimeters

| Practical Sound Absorption Coefficients: | | | | | | | |
|---|------------|------|------|------|------|------|------|
| α_W 0.60; Class C; ISO 354 E-200. NRC 0.60 per ASTM C423 | | | | | | | |
| | Hz | 125 | 250 | 500 | 1000 | 2000 | 4000 |
| G1F | α_p | 0.45 | 0.65 | 0.80 | 0.65 | 0.55 | 0.45 |
| Regula | α_p | 0.40 | 0.20 | 0.10 | 0.05 | 0.05 | 0.00 |

Colour:

White foil face.

Fire Reaction:

AS1530 pt 3.
Smoke developed 5, spread of flame 0.

Installed Conditions:

Max 90% R/H at 30°C.

Light reflectance:

73% DIN 5036 pt 3

Limitation:

Not for use with negative air return plenums, in direct contact with moisture or in extreme humidity conditions.

Loading:

Maximum weight that can be directly integrated into the ceiling eg: lighting, A/C grill, speakers etc, shall not exceed 3kg. Greater weights shall be independently supported.

Maintenance:

Clean with damp cloth.

NZ Building Code:

Clause B2—durability, 5 years

Weight:

Perforated: 8.5 kg/m², plain regula: 9.4 kg/m²

Installation:

Shall not commence until the building is water tight and dry. Install furring at 300mm centres, ceilings with rigid hangers at 900mm centres, screw fix panels to furring at 300mm c/c, 200mm c/c at panel edge, use #6389 white head screws. Butt join panels.

Specification:

Ceiling/ wall lining shall be Danoline Contrapanel perforated acoustical gypsum panel system, manufactured by Danogips A/S and supplied by Asona Ltd, Tel: 09 525 6575, Fax: 09 525 6579. Size 600 x 1800 x 12.5 mm (other) perforation pattern G1F 6 mm diameter press punched with grey/white acoustic tissue backer, sound absorption α_W 0.60, NRC 0.60, perimeter panels shall be plain Regula non perforated panels, screw fix panels to furring at 300mm c/c, strong back at 900mm c/c with solid hangers at 900 mm c/c.

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