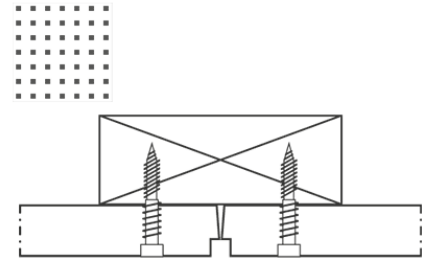# Acoustical deck and wall mount panels

Content
Pre-painted screw fixed acoustic gypsum panel for ceiling and wall mount.
Repaintable without loss of acoustics.
100% recyclable product.

Products and materials

Unity 3_600 x 600 /1200 x 12.5_B+
Material: Perforated plasterboard
Board Type: Gypsum panel
Dimensions: 600 x 600 / 1200 x 12.5mm
Weight: 9.20 kg/m²
Edge: B+ with discreet joints
Perforation: Square 3.5x3.5mm holes, c/c 8.33mm, Perforation to edge.
Perforation percent: 17.2 %
Surface: Water-based acrylic paint
Colour: White NCS 0701 Y24R, (RAL 9003); gloss 5
Fire rating: A2-s1,d0 in accordance with EN 13501-1
Light reflection: 69.2% in accordance with DIN 5036
Indoor climate: Degasification 10 days
Particle emission: Low
Air purification: Cleaneo technology

Acoustics

65mm suspension with 50mm mineral wool

125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	αw	NRC
0.40	0.80	0.95	0.95	0.85	0.85	0.95	0.90

200mm suspension without mineral wool

125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	αw	NRC
0.50	0.80	0.85	0.75	0.75	0.80	0.80	0.80

Wall connection
Type: UD-profile
Material: 0.60mm galvanized steel
Dimension: Width 28mm | Height 27mm | Length 3000mm

Primary profile
Type: CD-profile
Material: 0.60mm galvanized steel
Dimensions: Width 60mm | Height 27mm | Length 3000mm

Suspension
Type: Direct bracket for CD-profile
Dimension: 41 x 90mm

< or >

Type: Direct adjustable hanger for CD-profile (32-81mm)
Dimension: 85mm
Type: Split pin for hanger

Accessories
Type: DANOloft screw, white
Dimension: 4.5 x 28mm

Installation

- c/c distance for primary construction: max. 1000mm for wood and max. 1000mm for steel.
- Furring can be of wood (min. 60mm width) or steel (min. 60mm width) depending on current fire regulations.
- Mount the furring crosswise the primary construction at a max c/c on 300mm.
- Make sure that the furring is level and mount the acoustic gypsum panels with in the second perforation row. Centre screws must be installed 300mm from the edge. Against the wall the screws can be moved into 4´th or 5´th perforation row to secure a vertical mounting positioning.
- Make sure that the screws are not countersunk in the ceiling panel. The screw head must as max. be level with the surface.
- Perimeter panels must be cut 2-3mm shorter than the gap between the last full-size panel and the adjacent building component by using a fine-toothed saw. Sand the edges slightly with fine sand paper.
- Finish the surface with a white sealant around the perimeter.