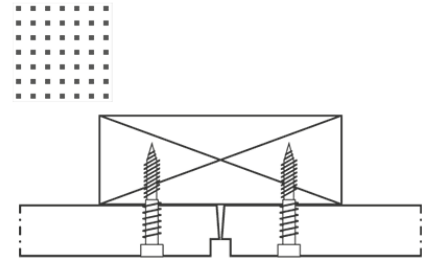


## Acoustical deck and wall mount panels



### 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/m<sup>2</sup>

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	$\alpha_w$	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	$\alpha_w$	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 25mm

**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.