

# Concrete Veneer Wall Panels

Robust design,  
ultimate acoustics

## PRODUCT CHARACTERISTICS:

- Durable 16 mm MDF core material
- 1.5 mm real cement finish
- 5 concrete finishes
- Lightweight
- Available as ceiling and wall panels
- Optionally foreseen with hardly visible nano perforation for high level acoustic performance
- Can be cut to size with regular wood saw
- Individually demountable

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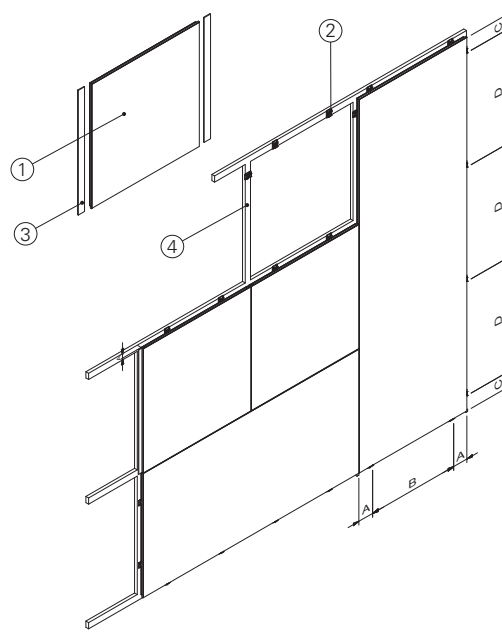
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Product : Concrete Veneer Ceiling and Wall panels  
Material: Original

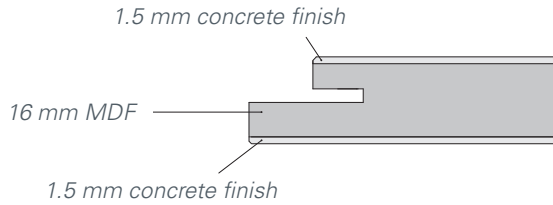
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## SYSTEM OVERVIEW

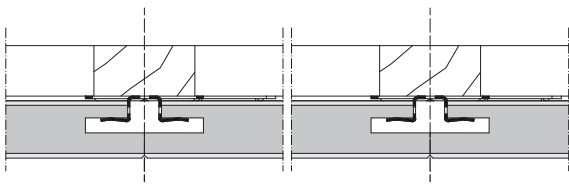
1. Concrete Veneer Wall Panel
2. Screw Clip creating a 0/5/10/20/30 mm gap
3. HDF Strip
4. Substructure Non HD



## TYPICAL SECTIONS



Note: The edges can be finished with real concrete banding or matching melamine.



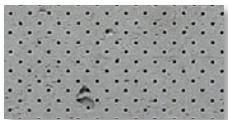
## MAXIMUM SPAN

Concrete veneer Wall panel	Max. Main runner span			
	A	B	C	D
Panel size (LxW)				
Standard: 2400 x 600/1200 mm 3000 x 600/1200 mm	75	450	75	600

## MATERIAL PROPERTIES

- Material: 16 mm Medium Density Fibreboard
- Top-, and backlayer: 1.5 mm 100% cement finish
- Finish: Two-component acrylic matt lacquer, water-based
- Edges: Real concrete edge banding or matching melamine
- Sizes: Max. 3020 x 1250 mm. *Other sizes upon request*
- Weight:  $\pm 15 \text{ kg/m}^2$  (plain) or down to  $12 \text{ kg/m}^2$  (perforated)
- Fire retardant: Class B-s1,d0 (plain and perforated)
- Acoustic: Up to  $\alpha_w$  (ISO 11654) = 0,50 / NRC (ASTM-C423) = 0,70 / SAA (ASTM-C423) 0,72

## ACOUSTICS

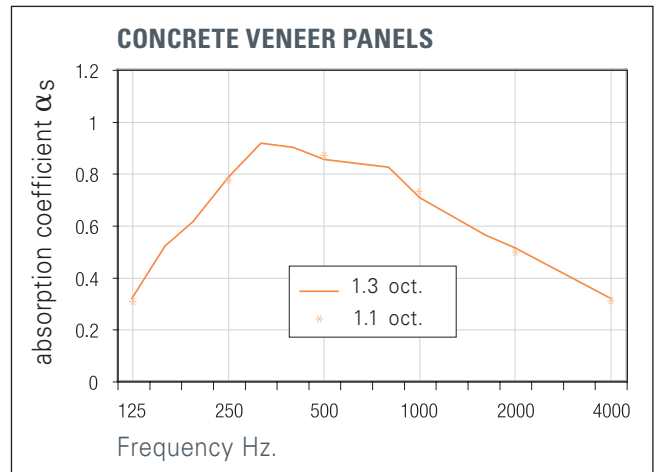


Nano Perforations

In case the panel is perforated, a layer of sound absorbing nonwoven will be added. Contact your sales contact for latest perforation patterns overview and acoustic performance.

## CERTIFICATIONS

- Reaction to fire (EN 13501-1)
- Sound absorption (ISO 354:2003)
- Abrasion resistance (DIN 68861-2)
- Scratch resistance (DIN 68861-4)
- Resistance to fading (DIN 15187)



## ROUND NANO-PERFORATION (a) $\alpha_w$ : 0.50 / NRC: 0.70 / SSA: 0.72

FREQUENCY (HZ)	125	250	500	1000	2000	4000
1/3 octave	0.18	0.62	0.90	0.83	0.57	0.39
	0.31	0.79	0.86	0.71	0.52	0.32
	0.52	0.92	0.85	0.64	0.45	0.23
1/1 octave	0.34	0.78	0.87	0.73	0.51	0.31

## 5 FINISHES



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