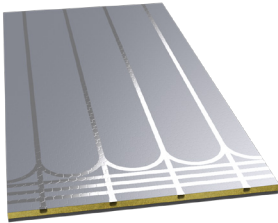


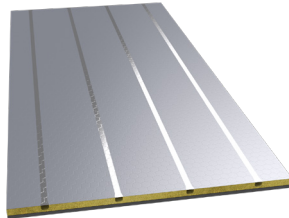
WF12

DATASHEET – ROUTED & LINED MDF PANEL

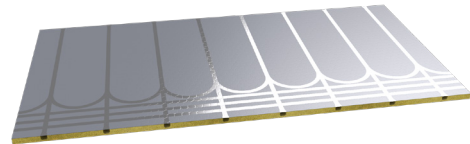
DS_WF12_01.0



Combination Panel (Pattern 1)
WF12-PO1

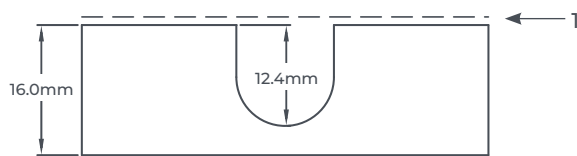


Straights Panel (Pattern 3)
WF12-PO3



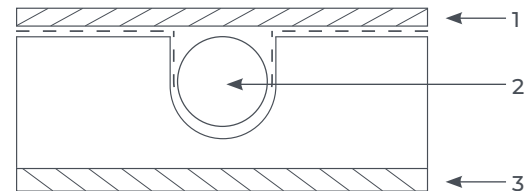
Loop with Flow and Return Channels Panel
(Pattern 5)
WF12-PO5

ROUTED PANEL CROSS SECTION



1 – Soft temper aluminium (100µm)

APPLICATION CROSS SECTION



1 – Floor deck/finish
2 – 12mm pipe
3 – Sub floor

PRODUCT OVERVIEW

Low build up MDF panels designed for use with a covering layer such as 6mm ply for carpet or a laminate or wood floor as the finish. Panels can be floated/bonded or mechanically fixed to solid or timber subfloors.

PRODUCT TECHNICAL DATA

Material	Medium Density Fibreboard (MDF)
Density	750kg/m ³
Panel dimensions	1200 x 600mm
Thickness	16mm
Panel options	a) Combination panel (P1) b) Separate straights & loops with flow and return channels (P3 + P5)
Pipe centres	150mm
Pipe channels/external pipe diameter	12mm

MDF properties

Bending Strength (EN 310)	20 N/mm ²
Integral Bond (EN 319)	0.55 N/mm ²
Modules of elasticity (EN 310)	2200 N/mm ²
Peel Strength (EN 311)	< 0.1 N/mm ²
Hygiene Class (Formaldehyde release) (EN 12460-5/EN 717-1)	E1 (≤ 8mg/100g)
Moisture Content	4-11%
Thermal Conductivity	0.13W/mK
Tolerance on thickness (EN 324-1)	+ /- 0.2mm
Tolerance – length/ width (EN 324-1)	+ /- 2mm/m (max +/- 5mm)
Tolerance – squareness (EN 324-2)	≤ 2.0
Tolerance – straightness (EN 324-2)	1.5
Fire Class (EN 13501-1)	D

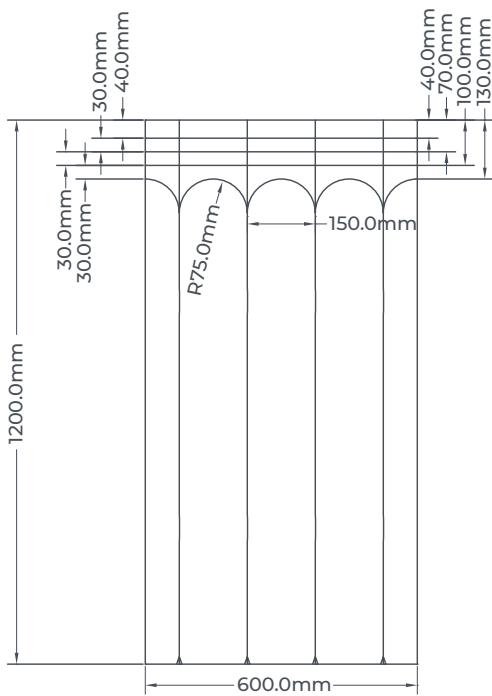
MATERIAL CREDENTIALS

- Medium Density Fibreboards are manufactured in compliance with European standard EN 62.
- Non moisture resistant for dry climates.
- Non load bearing.
- FSC Certified.
- CE Mark (EN 13986).
- 100% recyclable.

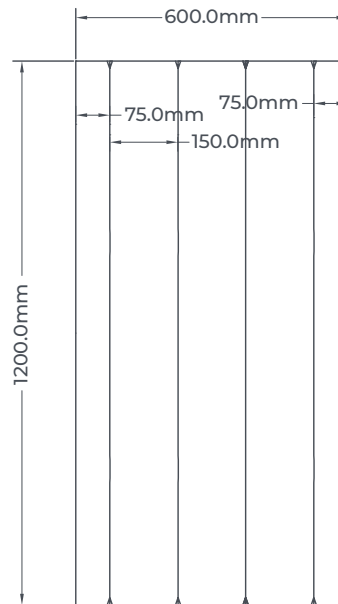
INSTALLATION GUIDANCE

1. Store panels in a safe dry, weather tight area out of direct sunlight.
2. Ensure that the subfloor is level and free from dust & debris (best practice to use a primer and to refer to the floor finish manufacturers' instructions which should always take precedence).
3. Float, bond or mechanically fix panels over a solid or timber floor structure.
4. Pipe up the panels following your installation drawing.
5. Pressure test the system.
6. Bond/ mechanically fix a thin covering layer of ply, tile backerboard or similar to the panels before laying your floor finish. If timber t&g finish this can be floated straight over the top.

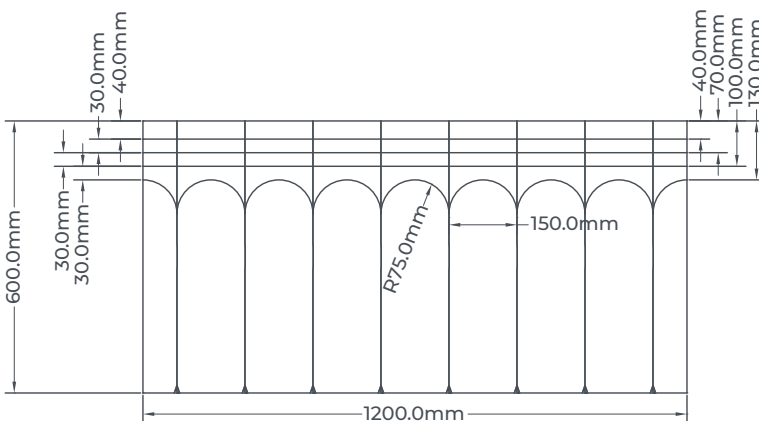
DETAILS OF PANEL DESIGN OPTIONS



Combination Panel (Pattern 1)



Straights Panel (Pattern 3)



Loop with Flow and Return Channels Panel (Pattern 5)

PRODUCT TOLERANCE

Panel	
Length	+/-2mm
Width	+/-2mm
Thickness	+/-0.5mm

Channel routed depth	
12mm pipe	-0/+0.3mm