



Multi-Panels

GREEN AND FIREPROOF CONSTRUCTION

M4-ROOF PANEL

Build a better roof – no gapping required

INSTALLATION

Ease of installation, light panel, simply score and snap. Installation with UL or FM Classified Roof covering.

FIRE PROPERTIES

Roofing specifications for steel deck installations often require a fire barrier as the component applied above the metal to help control and limit the amount of fuel contributed to a fire beneath the roof. The M4-Roof Panel is a Non combustible panel according ASTM E 136.

VERY ENERGY EFFICIENT

As energy cost rise, the importance of a good R-value is a key issue. The R value: $m^2 \times K/W - 0,104$.

RESISTANT TO TERMITE, MOULD AND FUNGUS

The M4-Roof Panel will not rot or degrade in humid environment. The PH value makes the panel very resistant to attack by termites, fungus and mould.

MATERIAL

The M4-Exterior Sheathing is Fibre reinforced, produced with composite materials as pure Magnesium Sulfate, MgO, expanded Perlite, other agents and strong alkali free glass fibre mesh. It is a 100% asbestos and silica free. The board appears in its natural off white colour as standard and has a hard and durable surface.

APPLICATIONS

Roof applications requiring fire rating and non fire rating as well as termite, mold and mildew control.



Technical specification

- **M4-Roof Panel**
100% asbestos free



Dimensions

Length standard	inches	5',8',10'
Width standard/max	inches	3' 4'
Thickness standard	inches	1/4", 5/16", 3/8", 1/2", 5/8"
Colours standard		Off white
Tolerance Thickness	inches	+/- 0, 023"
Tolerance Length	Inches	+/- 3/16"
Tolerance Width	inches	+/- 1/8"
Glass fibre mesh standard/max	Non alkali fiber glass mesh	2 layer/3 layer > 3/8"

Weight

Density, dry	lb/ft3	55-62
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Fire properties

Fire class material	ASTM E 84	Flame spread - index 10 or less
Fire class material	ASTM E 84	Smoke- index 5 or less
Fire class material	ASTM E 136	Non combustible

Water vapour transmission (23 degree +/- 5% RH)

Z value 7/16"	EN 12572	0,351
Z value 5/8"	EN 12572	0,884

Hygroscopic properties and PH

Expansion from dry to wet	%	< 0,15
Moisture content by delivery	%	< 18
PH value	PH	10

Thermal properties

R value	m ² xK/W	0,104
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Bending strength 5/8"

Bending strength along fibre net – dry	EN 520 /MPa	12,2
Bending strength cross fibre net – dry	EN 520/MPa	11,3

Pull through strength 5/8" (edge distance 1/2")

Duo Fast nail 0, 098 x 1, 97"	EN 14566	154 N
Quick drive screw 0, 15" X 1, 97"	EN 14566	185 N
Paslode/Staples GA 16 x 0, 059"	EN 14566	208 N

Racking resistance 5/8"

Duo Fast 0, 098 x 1, 97"	EN 520	1320 N/nail
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Sound insulation

>43dB if using: ½ M4 Roof Panel + 1,97" Rockwool + ½" M4 Roof Panel
