

Non-combustible boards

GB/ 6.3 / Rev. 1

SUPALUX[®]-M



odice
PASSIVE FIRE PROTECTION



Product description

SUPALUX[®]-M is a monolithic board made from calcium silicate reinforced with selected fibres. It is formulated without inorganic fibres.

SUPALUX[®]-M is an off-white colour board sanded on both sides. It can easily be decorated with paints, wallpapers or tiles and it also provides a suitable base for laminate, metal sheet or veneered wood cladding.

SUPALUX[®]-M is dimensionally stable and does not deteriorate in a damp atmosphere. Its fire resistant performances are not affected over time or under the effects of humidity.

SUPALUX[®]-M is stiff, robust and resistant to impacts. Where a high degree of impact resistance is required, it is recommended to protect the board by plating it with metal sheet.

SUPALUX[®]-M boards are rectangular with four straight edges.

Technical Data

Physical properties of SUPALUX[®]-M

Length/width tolerance (mm)	- 0,0 to + 4,8
Thickness tolerance (mm)	- 0,8 to + 0,0
Density (kg/m ³)	± 640
Dimensional variations (%) (from 35 to 85% RH)	0,05
Thermal conductivity (W/m.K)	0,134
Degree of acidity (pH value)	7-10
Thermal expansion coefficient (20 - 600°C) (x 10 ⁻⁶ m per °C)	6
Compressive resistance (N/mm ²)	7
Tensile strength (N/mm ²)	1,9/1,9
Bending stress at break (N/mm ²)	4,8

The data given in this table is average data given for information purposes only.
If certain properties are essential for a particular application, please contact us.

Dimensions and weights - packaging

Board thickness (mm)	Board dimensions (mm)	Surface area per pallet (m ²)	Number of boards/pallet	Approx. gross weight/pallet (kg)
15,9	2440 x 1220	148,85	50	1911
19,1	2440 x 1220	119,08	40	1838
22,2	2440 x 1220	104,19	35	1868
25,4	2440 x 1220	89,30	30	1833
30,2	2440 x 1220	74,42	25	1817
31,8	2440 x 1220	71,44	24	1836
40,0	2440 x 1220	59,54	20	1923
50,0	2440 x 1220	44,66	15	1860
55,0	2440 x 1220	41,68	14	1853

Constructions



Example of application: ventilation and smoke extraction ducting.

Advantages

- Non-combustible (Test report on request).
- Resistant to humidity.
- Good chemical resistance.
- Rot-proof, resistant to vermin.
- Simple to install.
- Easy to work.
- Durable.

Applications

- Vertical and horizontal fire resistant ventilation ducts.
- Vertical and horizontal fire resistant smoke extraction ducts.
- Cladding backings.
- Component for fire resistant doors.
- Fire resistant shutters.

Installation

- Use conventional woodworking tools; for continuous work, use machines with carbide or diamond tools.
- The technical properties and the board surface allow the application of decorative surfaces. The boards are alkaline and it is therefore necessary to use paints or other finishing products which are alkali-resistant.

SUPALUX[®]-M can be custom-cut, into large or small strips,
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