GEOFLAM® N

FIRE PROTECTIVE BOARDS

Ventilation EN 1366-1	**Smoke extraction** EN 1366-8	**Fire protection services** EN 1366-5

Fire-protection 2 hours

Silicate-free plaster-based product

GEOFLAM® N
Thickness : 35 mm
EI 120

1000 · 35 · 18.5 · 17.5 · 16.5 · 200 à 1300

FIRE-PROTECTIVE BOARDS

GEOFLAM® N 35 mm fire resistant boards are non-combustible boards mainly made of glass reinforced gypsum (GRG), which gives them an excellent mechanical resistance. These 35 mm thick boards are specially designed with rebates and tabs to allow them to be interlocked and facilitate their assembly.

Advantages

✔ Even more lightweight
✔ Wide range of sizes
✔ Easy to install thanks to two rabbets and two tabs
✔ Possible palletization of the products by ducts
✔ Meets environmental, health and safety standards
✔ Easy cutting with a circular saw, sabre saw or handsaw
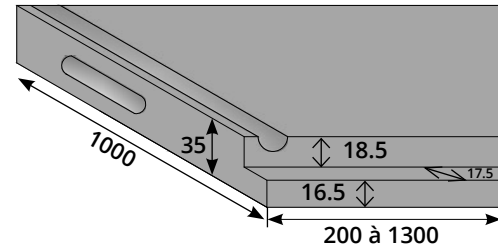✔ Possible application of water-based acrylic paint

Installations

Mixture of GEOPLÂTRE® N plaster and sisal fiber

Applications

- Ventilation and smoke extraction ducts
- Fire protection services (various pipes, gas pipes, medical fluids, etc.)
- Cable tray protection

Certifications

A1 classification to EN 13501-1

CE marking***

A+-rated product (VOC emissions into indoor air)

EXCELL green zone certified product

*** in progress

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Dimensions					
Thickness (mm)	EI S	Boards dimensions* (l x L) (mm)	Dry weight (kg/m²)	Rabbeted sides	Number of tabs
35	120	200 to 1300 x 1000	31,5	2	2 per side

E = Flame and hot gas tightness
I = Thermal insulation
S = Smoke-tight

In 50mm steps up to 900mm, then in 1000mm steps

Characteristics	
Nominal density (± 15 %)	± 900 kg/m³
Bending strength	± 1,9 MPa
Compressive strength	± 1,5 MPa
pH value	± 9,4
Thermal conductivity coeff (λ at 20°C)	0,141 W/m.K
Resistance to water vapour diffusion (µ)	± 1,6
Roughness factor (ft)	0.05 mm
Cold sealing class	C
Acoustic attenuation** Rw (C ; Ctr)	30 (-1 ; -3) dB
Earthquake	Validated by calculation to CRT 91 C 112 00 standard
Dimensional tolerance	± 5 mm
Thickness tolerance	± 2 mm
Colour	White
Appearance	Smooth
Cutting and machinability	Very good

* The data in this table are average values, given for information only. If certain properties are essential for some particular application, we should preferably be consulted.

** Lining solutions can be proposed to improve sound attenuation.

Finishes

Installed with smooth faces inwards to improve airflow or outwards for a clean, finished look.

Transport and storage

Transport and store on a flat, protected surface (out of water).

For optimum preservation, remove the plastic film before storing to avoid any traces of mould.

Classification and tests

✔ Certified according to the fire resistance test standards:

EN 1366-1
EN 1366-5
EN 1366-8

✔ Certified according to the fire resistance classification standards:
EN 13501-1
EN 13501-2
EN 13501-3
EN 13501-4

Technical documents available

☑ Data sheet
☑ Safety data sheet (MSDS)
☑ Environmental and Health Declaration Sheet (FDES)***
☑ CE marking***

*** in progress

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Items codes

Reference	Name	Boards / Pallet	Gross weight / Pallet
N350020	Fire resistant 35 mm board - 0,20 x 1,00 ml	180	1144 kg
N350025	Fire resistant 35 mm board - 0,25x 1,00 ml	140	1116 kg
N350030	Fire resistant 35 mm board - 0,30 x 1,00 ml	120	1144 kg
N350035	Fire resistant 35 mm board - 0,35 x 1,00 ml	90	1002 kg
N350040	Fire resistant 35 mm board - 0,40 x 1,00 ml	90	1144 kg
N350045	Fire resistant 35 mm board - 0,45 x 1,00 ml	80	1144 kg
N350050	Fire resistant 35 mm board - 0,50 x 1,00 ml	70	1112 kg
N350055	Fire resistant 35 mm board - 0,55 x 1,00 ml	60	1048 kg
N350060	Fire resistant 35 mm board - 0,60 x 1,00 ml	60	1144 kg
N350065	Fire resistant 35 mm board - 0,65 x 1,00 ml	45	933 kg
N350070	Fire resistant 35 mm board - 0,70 x 1,00 ml	45	1003 kg
N350075	Fire resistant 35 mm board - 0,75 x 1,00 ml	45	1072 kg
N350080	Fire resistant 35 mm board - 0,80 x 1,00 ml	45	1144 kg
N350085	Fire resistant 35 mm board - 0,85 x 1,00 ml	40	1082 kg
N350090	Fire resistant 35 mm board - 0,90 x 1,00 ml	40	1144 kg
N350100	Fire resistant 35 mm board - 1.00 x 1,00 ml	35	1113 kg
N350110	Fire resistant 35 mm board - 1.10 x 1,00 ml	30	1050 kg
N350120	Fire resistant 35 mm board - 1.20 x 1,00 ml	30	1144 kg
N350130	Fire resistant 35 mm board - 1.30 x 1,00 ml	28	1157 kg

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