



GEOFLAM® FX50

FIRE PROTECTIVE BOARDS



Ventilation



Smoke extraction



Fire protection services



Fire-protection
3 hours



Silicate-free
plaster-based
product



Single
dimension

FIRE-PROTECTIVE BOARDS

GEOFLAM® FX50 fire resistant boards are non-combustible boards mainly made of glass reinforced gypsum (GRG), which gives them an excellent mechanical resistance. These boards are 50 mm thick and have a unique size of 1000 x 900 mm (l_w) without longitudinal rabbets for easy cutting.

Advantages

- ✓ Silicate-free product
- ✓ Possible application of water-based acrylic paint
- ✓ Easy cutting with a circular saw, sabre saw or handsaw
- ✓ Meets environmental, health and safety standards

Installations



Mixture of GEOPLÂTRE®N
plaster and sisal fiber
[≤ 2500 x 2000 mm]*

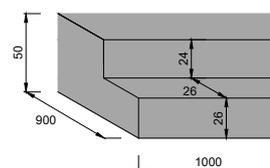
* limit of the internal section of the duct

Applications

- Ventilation and smoke extraction ducts
- Fire protection services (various pipes, gas pipes, medical fluids, etc.)
- Cable tray protection
- Production of 50 mm fire protection accessories (cut from 50 mm board)

GEOFLAM®FX50

Thickness : 50 mm
EI 180



Certifications



Classification A1
according to EN
13501-1



Product classified
A+ (VOC emission
to indoor air)

Dimensions				
Thickness (mm)	EI S	Boards dimensions (l x L) (mm)	Dry weight (kg/m ²)	Rabbeted sides
50	180	1000 x 900	50	2

E = Étanchéité aux flammes et gaz chauds

I = Isolation thermique

S = Étanchéité aux fumées

Characteristics	
Nominal density (± 15 %)	± 1100 kg/m ³
Bending strength	≥ 1,8 MPa
Compressive strength	≥ 5 MPa
pH value	± 8,9
Thermal conductivity coeff (λ at 20°C)	0,60 W/m.K
Resistance to water vapour diffusion (μ)	± 3.8 pour plaques standard
Roughness factor (ε)	0,05 mm
Cold sealing class	D
Dimensional tolerance	± 5 mm
Thickness tolerance	± 2 mm
Colour	Blanc
Appearance	Lisse
Cutting and machinability	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.

Finitions

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

- ☑ Technical data sheet (SDS)
- ☑ Safety data sheet (FDS)
- ☑ Environmental and health declaration

Items codes

Reference	Name	Boards / pallet
FX0001	Fire resistant board 50 mm - 1,00 x 0,90 ml	20

Geostaff has collected the data in this sheet with all due care and reserves the right to modify the properties of the products without prior notice. The user of these data will be responsible at all times for their correct application. In case of uncertainty or doubt, we advise you to contact Geostaff in order to verify if these data correspond to the required application.

GEOFLAM®
FX50

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