



# GEOTEC® SX30 - SX45

FIRE PROTECTIVE BOARDS



Ventilation



Smoke extraction



Fire protection services



Carbon protection reinforcement



Fire-protection up to 2 hours



Silicate-free plaster-based product



Single dimension

## FIRE-PROTECTIVE BOARDS

GEOTEC® SX30 and SX45 are non-combustible boards made mainly of glass fibre reinforced gypsum (GRG), which gives them excellent mechanical resistance. These boards, with a unique size of 1200 x 1000 mm (lxw), have no 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
- ✓ Possible application of a water-repellent treatment in the mass
- ✓ Meets environmental, health and safety standards

### Installations



Glue GEOCOL® + screw  
[≤ 2500 x 1500 mm ] \*



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



Glue GEOCOL® + staples  
[≤ 1250 x 1000 mm ] \*

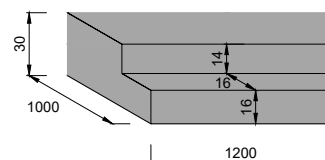
\* limit of the internal section of the duct

### Applications

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

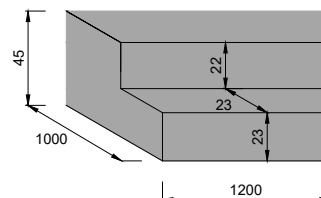
### GEOTEC®SX30

Thickness : 30 mm  
EI 60



### GEOTEC®SX45

Thickness : 45 mm  
EI 120



### Certifications



Classification A1 according to EN 13501-1



ETA 18/0343 based on EAD 350142-00-1106



Product classified A+ (VOC emission to indoor air)



Eco 1 certified product by Eco-bau

Dimensions				
Thickness (mm)	EI S	Boards dimensions (l x L) (mm)	Dry weight (kg/m <sup>2</sup> )	Rabbeted sides
30	30 - 60	1200 x 1000	24	2
45	90 - 120		36	2

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

Characteristics	
Nominal density (± 8 %)	± 790 kg/m <sup>3</sup>
Bending strength	≥ 1,3 MPa
Compressive strength	≥ 3 MPa
pH value	± 8,5
Thermal conductivity coeff (λ at 20°C)	0,106 W/m.K
Resistance to water vapour diffusion (μ)	± 3 for standard boards
	± 6 for water-repellent boards
Roughness factor (ε)	0,05 mm
Cold sealing class	B
Acoustic attenuation Rw (C ; Ctr)	29 (-2 ; -2) dB for thickness 30 mm
	31 (-1 ; -2) dB for thickness 45 mm
Dimensional tolerance	± 5 mm
Thickness tolerance	± 2 mm
Colour	White
Appearance	Smooth
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.

## Finishes

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

## Transport et 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
- ✓ Safety data sheet (SDS) being renewed
- ✓ Environmental and health declaration form being renewed
- ✓ CE certificate
- ✓ Declaration of Performance (DoP)
- ✓ ETA report 18/0343 based on EAD 350142-00-1106

## Item codes

Reference	Water repellent	Name	Boards / Pallet	Gross weight / Pallet
S300025	S30H025	Fire resistant board 30 mm - 1,20 x 1,00 ml	35	1060 kg
S450025	S45H025	Fire resistant board 45 mm - 1,20 x 1,00 ml	25	1135 kg

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.

**GEOTEC®**  
**SX30 - SX45**

FIRE-PROTECTIVE BOARDS



[www.geostaff.fr/en](http://www.geostaff.fr/en)