



# GEOTEC® S30 - S45

FIRE PROTECTIVE BOARDS



Ventilation



Smoke extraction



Fire protection services



Carbon protection reinforcement



Fire-protection up to 2 hours



Silicate-free plaster-based product

## FIRE-PROTECTIVE BOARDS

GEOTEC® S30 and S45 fire resistant boards are mainly made of glass reinforced gypsum (GRG), which gives them excellent mechanical resistance. These boards are specially designed with rebates to allow for interlocking and easy assembly.

### Advantages

- ✓ Silicate-free product
- ✓ Possible application of water-based acrylic paint
- ✓ Easy cutting with a circular saw, sabre saw or handsaw
- ✓ Possible palletization of the products by ducts
- ✓ Wide range of sizes
- ✓ Possible application of a water-repellent treatment that does not modify the fire resistance performance
- ✓ 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 ] \*

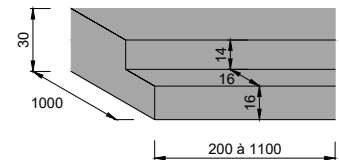
\* limit of the internal section of the duct

### Applications

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

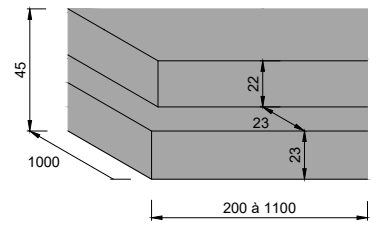
### GEOTEC®S30

Thickness : 30 mm  
EI 60



### GEOTEC®S45

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)



Certified product EXCELL green zone



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	200 to 1100 x 1000	22,5	2
45	90 - 120		34	4

*E = Flame and hot gas tightness*

*I = Thermal insulation*

*S = Smoke-tight*

*\*In 50 mm steps*

Characteristics	
Nominal density (± 15 %)	± 750 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 and storage

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

## 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

## Items codes

Reference	Water repellent	Name	Boards / Pallet	Gross weight / Pallet
S300003	S30H003	Fire resistant board 30 mm - 0,20 x 1,00 ml	200	1030 kg
S300004	S30H004	Fire resistant board 30 mm - 0,25 x 1,00 ml	160	1020 kg
S300005	S30H005	Fire resistant board 30 mm - 0,30 x 1,00 ml	120	900 kg
S300006	S30H006	Fire resistant board 30 mm - 0,35 x 1,00 ml	80	700 kg
S300007	S30H007	Fire resistant board 30 mm - 0,40 x 1,00 ml	80	800 kg
S300008	S30H008	Fire resistant board 30 mm - 0,45 x 1,00 ml	80	900 kg
S300009	S30H009	Fire resistant board 30 mm - 0,50 x 1,00 ml	80	995 kg
S300010	S30H010	Fire resistant board 30 mm - 0,55 x 1,00 ml	40	550 kg

## Items codes

Reference	Water repellent	Name	Boards / Pallet	Gross weight / Pallet
S300011	S30H011	Fire resistant board 30 mm - 0,60 x 1,00 ml	40	600 kg
S300012	S30H012	Fire resistant board 30 mm - 0,65 x 1,00 ml	40	650 kg
S300013	S30H013	Fire resistant board 30 mm - 0,70 x 1,00 ml	40	700 kg
S300014	S30H014	Fire resistant board 30 mm - 0,75 x 1,00 ml	40	750 kg
S300015	S30H015	Fire resistant board 30 mm - 0,80 x 1,00 ml	40	800 kg
S300016	S30H016	Fire resistant board 30 mm - 0,85 x 1,00 ml	40	850 kg
S300017	S30H017	Fire resistant board 30 mm - 0,90 x 1,00 ml	40	900 kg
S300018	S30H018	Fire resistant board 30 mm - 0,95 x 1,00 ml	40	950 kg
S300019	S30H019	Fire resistant board 30 mm - 1,00 x 1,00 ml	40	1000 kg
S300020	S30H020	Fire resistant board 30 mm - 1,05 x 1,00 ml	40	1050 kg
S300021	S30H021	Fire resistant board 30 mm - 1,10 x 1,00 ml	40	1100 kg
S450003	S45H003	Fire resistant board 45 mm - 0,20 x 1,00 ml	150	1125 kg
S450004	S45H004	Fire resistant board 45 mm - 0,25 x 1,00 ml	120	1120 kg
S450005	S45H005	Fire resistant board 45 mm - 0,30 x 1,00 ml	90	1010 kg
S450006	S45H006	Fire resistant board 45 mm - 0,35 x 1,00 ml	60	795 kg
S450007	S45H007	Fire resistant board 45 mm - 0,40 x 1,00 ml	60	895 kg
S450008	S45H008	Fire resistant board 45 mm - 0,45 x 1,00 ml	60	1010 kg
S450009	S45H009	Fire resistant board 45 mm - 0,50 x 1,00 ml	60	1125 kg
S450010	S45H010	Fire resistant board 45 mm - 0,55 x 1,00 ml	30	615 kg
S450011	S45H011	Fire resistant board 45 mm - 0,60 x 1,00 ml	30	675 kg
S450012	S45H012	Fire resistant board 45 mm - 0,65 x 1,00 ml	30	730 kg
S450013	S45H013	Fire resistant board 45 mm - 0,70 x 1,00 ml	30	785 kg
<b>S450014</b>	<b>S45H014</b>	<b>Fire resistant board 45 mm - 0,70 x 1,00 ml Inverted rebate</b>	30	785 kg
S450015	S45H015	Fire resistant board 45 mm - 0,75 x 1,00 ml	30	840 kg
S450016	S45H016	Fire resistant board 45 mm - 0,80 x 1,00 ml	30	900 kg
S450017	S45H017	Fire resistant board 45 mm - 0,85 x 1,00 ml	30	950 kg
S450018	S45H018	Fire resistant board 45 mm - 0,90 x 1,00 ml	30	1010 kg
S450019	S45H019	Fire resistant board 45 mm - 0,95 x 1,00 ml	30	1065 kg
S450020	S45H020	Fire resistant board 45 mm - 1,00 x 1,00 ml	30	1125 kg
S450021	S45H021	Fire resistant board 45 mm - 1,05 x 1,00 ml	30	1180 kg
S450022	S45H022	Fire resistant board 45 mm - 1,10 x 1,00 ml	30	1235 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®**  
**S30 - S45**

FIRE-PROTECTIVE BOARDS



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