



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] *

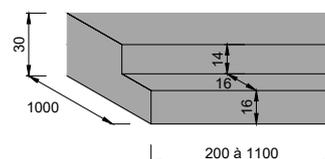
* limit of the internal section of the duct

Applications

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

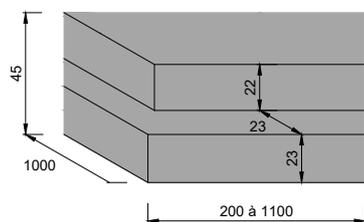
GEOTEC®S30

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 ²)	Rabbeted sides
30	30 - 60	200 to 1100 x 1000	24	2
45	90 - 120		36	4

E = Flame and hot gas tightness

I = Thermal insulation

S = Smoke-tight

**In 50 mm steps*

Characteristics	
Nominal density (± 8 %)	± 790 kg/m ³
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).

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)
- Environmental and health declaration form
- CE certificate
- Declaration of Performance (DoP)
- ETA report 18/0343 based on EAD 350142-00-1106

Items codes			
Reference	Water repellent	Name	Boards / Pallet
S300003	Not available	Fire resistant board 30 mm - 0,20 x 1,00 ml	200
S300004	Not available	Fire resistant board 30 mm - 0,25 x 1,00 ml	160
S300005	Not available	Fire resistant board 30 mm - 0,30 x 1,00 ml	120
S300006	Not available	Fire resistant board 30 mm - 0,35 x 1,00 ml	80
S300007	Not available	Fire resistant board 30 mm - 0,40 x 1,00 ml	80
S300008	Not available	Fire resistant board 30 mm - 0,45 x 1,00 ml	80
S300009	Not available	Fire resistant board 30 mm - 0,50 x 1,00 ml	80
S300010	Not available	Fire resistant board 30 mm - 0,55 x 1,00 ml	40

Items codes			
Reference	Water repellent	Name	Boards / Pallet
S300011	Not available	Fire resistant board 30 mm - 0,60 x 1,00 ml	40
S300012	Not available	Fire resistant board 30 mm - 0,65 x 1,00 ml	40
S300013	Not available	Fire resistant board 30 mm - 0,70 x 1,00 ml	40
S300014	Not available	Fire resistant board 30 mm - 0,75 x 1,00 ml	40
S300015	Not available	Fire resistant board 30 mm - 0,80 x 1,00 ml	40
S300016	Not available	Fire resistant board 30 mm - 0,85 x 1,00 ml	40
S300017	Not available	Fire resistant board 30 mm - 0,90 x 1,00 ml	40
S300018	Not available	Fire resistant board 30 mm - 0,95 x 1,00 ml	40
S300019	Not available	Fire resistant board 30 mm - 1,00 x 1,00 ml	40
S300020	Not available	Fire resistant board 30 mm - 1,05 x 1,00 ml	40
S300021	Not available	Fire resistant board 30 mm - 1,10 x 1,00 ml	40
S450003	S45H003	Fire resistant board 45 mm - 0,20 x 1,00 ml	150
S450004	S45H004	Fire resistant board 45 mm - 0,25 x 1,00 ml	120
S450005	S45H005	Fire resistant board 45 mm - 0,30 x 1,00 ml	90
S450006	S45H006	Fire resistant board 45 mm - 0,35 x 1,00 ml	60
S450007	S45H007	Fire resistant board 45 mm - 0,40 x 1,00 ml	60
S450008	S45H008	Fire resistant board 45 mm - 0,45 x 1,00 ml	60
S450009	S45H009	Fire resistant board 45 mm - 0,50 x 1,00 ml	60
S450010	S45H010	Fire resistant board 45 mm - 0,55 x 1,00 ml	30
S450011	S45H011	Fire resistant board 45 mm - 0,60 x 1,00 ml	30
S450012	S45H012	Fire resistant board 45 mm - 0,65 x 1,00 ml	30
S450013	S45H013	Fire resistant board 45 mm - 0,70 x 1,00 ml	30
S450014	S45H014	Fire resistant board 45 mm - 0,70 x 1,00 ml Inverted rebate	30
S450015	S45H015	Fire resistant board 45 mm - 0,75 x 1,00 ml	30
S450016	S45H016	Fire resistant board 45 mm - 0,80 x 1,00 ml	30
S450017	S45H017	Fire resistant board 45 mm - 0,85 x 1,00 ml	30
S450018	S45H018	Fire resistant board 45 mm - 0,90 x 1,00 ml	30
S450019	S45H019	Fire resistant board 45 mm - 0,95 x 1,00 ml	30
S450020	S45H020	Fire resistant board 45 mm - 1,00 x 1,00 ml	30
S450021	S45H021	Fire resistant board 45 mm - 1,05 x 1,00 ml	30
S450022	S45H022	Fire resistant board 45 mm - 1,10 x 1,00 ml	30

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