



# TECHNICAL NOTICE



Protection of steel columns  
with GEOFLAM® DC half-shells

## GEOFLAM® DC

### HALF-SHELLS



**Fire stability  
up to 3 hours (R 15 to 180)**

## GEOFLAM® DC HALF-SHELLS

The GEOFLAM® DC half-shell is a pre-moulded glass fibre reinforced plaster element for the fire protection of metal and steel columns.

This element between 30 and 40 mm thick (depending on required the fire resistance) is non-combustible and has longitudinal rabbets, making it quick and easy to install on site. The half-shells are interlocked and glued together using GEOCOL® glue.

## Advantages

- ✓ Can be painted with water-based acrylic paint
- ✓ Easy cutting with a circular saw, sabre saw or handsaw
- ✓ Meets environmental, health and safety standards
- ✓ 100% recyclable

## Installations



Geocol®

+



Mixture of sisal fiber  
and plaster

## Certifications



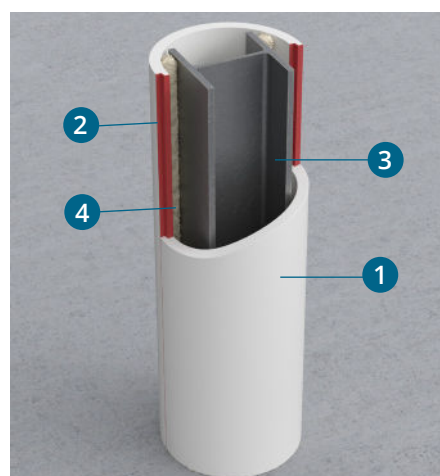
Product classified  
A+ (VOC emission to  
indoor air)



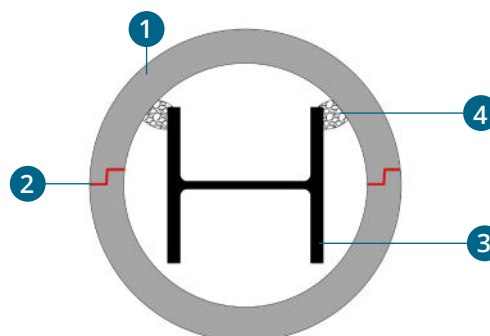
A1 classification  
to EN 13501-1

## Assesment :

✓ N°EFR-22-000930



- 1 GEOFLAM® DC half shell
- 2 GEOCOL®
- 3 Steel column
- 4 Mixture of GEOPLÂTRE® plaster and sisal fiber



## Article codes

Reference	Name	Packaging
COQ0009	GEOFLAM®DC - ø int 240 mm - ø ext 300 mm - 3.00 meter - 30 mm thick	44 kg
COQ0011	GEOFLAM®DC - ø int 340 mm - ø ext 400 mm - 3.00 meter - 30 mm thick	60 kg
COQ0016	GEOFLAM®DC - ø int 340 mm - ø ext 420 mm - 2.00 meter - 40 mm thick	55 kg
COQ0101	GEOFLAM®DC - ø int 140 mm - ø ext 200 mm - 3.00 meter - 30 mm thick	28 kg
COQ0102	GEOFLAM®DC - ø int 190 mm - ø ext 250 mm - 3.00 meter - 30 mm thick	36 kg
COQ0106	GEOFLAM®DC - ø int 220 mm - ø ext 300 mm - 3.00 meter - 40 mm thick	56 kg
COQ0107	GEOFLAM®DC - ø int 270 mm - ø ext 350 mm - 3.00 meter - 40 mm thick	67 kg
COQ0108	GEOFLAM®DC - ø int 320 mm - ø ext 400 mm - 3.00 meter - 40 mm thick	78 kg
COQ0109	GEOFLAM®DC - ø int 370 mm - ø ext 450 mm - 2.00 meter - 40 mm thick	59 kg

For variations of Ø, thickness, length..., please contact us.

## Transport et stockage

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

## Classification and test

✓ Certified according to the fire resistance test standards : EN 13381-4

## Technical documents available

- ✓ Commercial & technical brochure
- ✓ Environmental and health declaration
- ✓ PV n°EFR-22-000930

## Characteristics

Nominal density (± 15 %)	± 1100 kg/m <sup>3</sup>
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.

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columns using GEOFLAM®  
DC half-shells



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