GEOFLAM® C-Light

PREFABRICATED CHANNEL

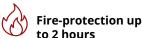




Ventilation









PREFABRICATED CHANNEL

GEOFLAM® C Light channels are 35 mm thick pre-moulded non-combustible elements, specially designed for the installation of technical ducts such as gas pipes, medical fluids and various pipes. In some cases, our channels can also be used for smoke extraction and ventilation ducts.

The channels are manufactured with longitudinal and end rabbets allowing them to be fitted together, for quick and easy installation on site.

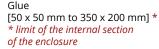
Advantages

- ✓ Pre-moulded product with a cover for quick installation on site
- ✓ Silicate-free product
- ✓ Can be painted with water-based acrylic paint
- ✓ Can easily be cut with a circular saw, sabre saw or hand saw
- ✓ Wide range of sizes

Installations

✓ Meets environmental, health and safety standards

Applications





Mixture of GEOPLÂTRE® N and sisal fiber In certain configurations, this

application is recommended.

Please consult us.

Transport and storage

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

- Fire protection services (various pipes, gas pipes, medical fluids, etc.)
- Protection of electrical cable trays up to a fire exposure time of El 120 (2h)
- Creation of smoke extraction and ventilation ducts (different assembly principle: please consult us).

Certifications



Classification A1 according to EN 13501-1



Product classified A+ (VOC emission to indoor air)

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

☑ Environmental and health declaration form being renewed



| Dimensions | | | | | | |
|-------------------|------------|----------------|-------------------------------------|------------------------|--|--|
| Thickness (mm) | EI (mm) | Length (ml) | Internal dimensions (l x L) (mm) | Dry weight* (kg/m²) | | |
| | | | 50 x 50 | 16 | | |
| | | | 100 x 50 | 20 | | |
| | | | 100 x 100 | 24 | | |
| | | | 150 x 100 | 28 | | |
| 35 | 120 | 1 | 150 x 150 | 32,50 | | |
| | | | 200 x 100 | 32,50 | | |
| | | | 200 x 200 | 40,50 | | |
| | | | 300 x 100 | 41 | | |
| | | | 350 x 200 | 53 | | |

E = Flame and hot gas tightness I = Thermal insulation

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.

| Characteristics | | | | |
|--|-------------------------------|--|--|--|
| Nominal density (± 15 %) | ± 1100 kg/m³ | | | |
| 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 for standards boards | | | |
| Cold sealing class | D | | | |
| Dimensional tolerance | ± 5 mm | | | |
| Thickness tolerance | ± 2 mm | | | |
| Colour | White | | | |
| Appearance | Smooth | | | |
| Cutting and machinability | Good | | | |

| tems codes | | | | | |
|------------|---|-----------------|-----------------------|--|--|
| Reference | Name | Packaging | Gross weight / pallet | | |
| KCL0001 | Channel + Cover - int.dim. 50 x 50 mm | 60 Units/pallet | 980 kg | | |
| KCL0002 | Channel + Cover - int.dim. 100 x 50 mm | 60 Units/pallet | 1210 kg | | |
| KCL0003 | Channel + Cover - int.dim. 100 x 100 mm | 45 Units/pallet | 1090 kg | | |
| KCL0004 | Channel + Cover - int.dim. 150 x 100 mm | 36 Units/pallet | 1020 kg | | |
| KCL0005 | Channel + Cover - int.dim. 150 x 150 mm | 28 Units/pallet | 920 kg | | |
| KCL0006 | Channel + Cover - int.dim. 200 x 100 mm | 24 Units/pallet | 790 kg | | |
| KCL0008 | Channel + Cover - int.dim. 200 x 200 mm | 15 Units/pallet | 620 kg | | |
| KCL0011 | Channel + Cover - int.dim. 300 x 100 mm | 14 Units/pallet | 585 kg | | |
| KCL0015 | Channel + Cover - int.dim. 350 x 200 mm | 10 Units/pallet | 540 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.

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^{*} Dry weight : prefabricated channel + cover