

Product Environmental Profile

**Wire cable tray system CABLOFIL GC -
Hot dip galvanised finish after manufacturing**



CABLOFIL'S ENVIRONMENTAL COMMITMENTS

Sustainable development, once the preserve of legislators and governments, has become a fact of life for all stakeholders within society. Today's project managers, whether in an industrial, services or infrastructure context, need to respect the environment and consider the human impact of their actions.

CABLOFIL® is fully aware of these issues and behaves responsibly across all its sites and organisational structures.

The company also extends this approach to its partners, with a view to developing a lasting commitment in this area.

This approach is deployed along 3 lines:

- **Integrate the environment in the management of industrial sites**

All CABLOFIL® units are ISO 14001 certified or engaged in environmental management approach.

- **Take into account the environmental aspects in product design**

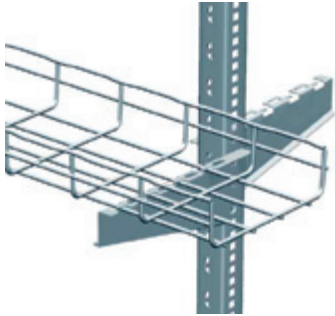

CABLOFIL® develops these products minimising their impact on the environment (material selection, optimisation of manufacturing processes and transport...). By providing the Product Environmental Profile (PEP), CABLOFIL® helps customers in choosing the most suitable solution.

- **Propose solutions to improve building's efficiency energy**

The CABLOFIL® wire cable tray system, for better ventilation of cable, reduces electrical loss through heating and generates substantial savings in operating costs.



REFERENCE PRODUCT

Function	Support cables over a period of use of 20 years. The wire overhead cable tray system CF54/200 GC, able to support a load of 38.1 kg per meter for a span of 1.5 meter, include the profile, fittings and supports for a standard use.
Reference Product	 
	Cat.Nos 000 093 - 558 347 - 558 247 - 585 397 - 595 123 - 597 023 - 801 401 - 801 531 - 801 831 - 599 007
	Wire cable tray system CF54/200 GC (Hot dip galvanised finish after manufacturing).

The company reserves the right to change specifications and designs without notice. All illustrations, descriptions, dimensions and weights in the document are for guidance and cannot be held binding on the company.



PRODUCTS CONCERNED

The environmental data are representative of the following references:

Catalogue Numbers
The total CABLOFIL wire cable tray product range in hot dip galvanised finish after manufacturing, as presented in all relevant catalogues (30 x 50 to 105 x 600) - list available on request from the customer service.

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■ CONSTITUENT MATERIALS

This Reference Product contains no substances prohibited by the regulations applicable at the time of its introduction to the market.

At the date of publication of this document, this Reference Product does not contain RoHS substances (2002/95/EC and its revision 2011/65/EU), and no substances appearing on the list of substances that are candidate for authorization of the European Reach regulation (REACH - article 33.1).

Total weight of Reference Product		4346 g (with unit packaging)			
Plastics as % of weight		Metals as % of weight		Other as % of weight	
		Hot-dip galvanised steel	91.0 %		
		Electrogalvanised steel	2.4 %		
		Geomet® treated steel	2.3 %		
		Copper (Cu)	0.1 %		
				Packaging as % of weight	
				Wood	4.2 %
				Cardboard	0.1 %
Total plastics	0.0 %	Total metals	95.7 %	Total other and packaging	4.3 %

Estimated recycled material content: 42 % by mass.



■ MANUFACTURE

This Reference Product comes from sites that has received ISO14001 certification.



■ DISTRIBUTION

Products are distributed from logistics centres located with a view to optimize transport efficiency. The Reference Product is therefore transported over an average distance of 790 km by road from our warehouse to the local point of distribution into the market in Europe. Packaging is compliant with European directive 2004/12/EC concerning packaging and packaging waste. At the packaging end of life, its theoretical recycling potential is of 100 % and its energy recovery potential is of 100 % (in % of the mass of the packaging).



■ INSTALLATION

Installation components not delivered with the product are not taken into account.



■ USE

Servicing and maintenance:

under normal conditions of use, this type of product requires no servicing or maintenance.

Consumable:

no consumables are necessary to use the Reference Product.

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END OF LIFE

• **Non-hazardous waste contained in the product:** 4158 g

• **Hazardous waste contained in the product:**

no hazardous waste comes from this Reference Product.

• **Theoretical recycling potential**

The theoretical recycling potential of a product is the percentage of material that can be recycled using existing techniques. It takes no account of the existence or lack of recycling services, which are highly dependent on the local situation.

This Reference Product contains 100 % by weight of potentially recycling material (excluding packaging):
- metal materials : 100 %

• **Energy recovery potential**

Energy recovery consists in using the calories contained in waste by burning it and recovering the energy produced, for example, to heat buildings or to produce electricity. The process uses the converting energy contained in the waste. 0 % of the product mass can be reclaimed with energy recovery.



ENVIRONMENTAL IMPACTS

The evaluation of environmental impacts examines the stages of the Reference Product life cycle: manufacturing, distribution, installation, use and end-of-life. It is representative from products marketed and used in Europe, in compliance with the local current standards.

The following modelling elements were taken into account:

Manufacture	Unit packaging taken into account. As required by the «PEP ecopassport» programme all transports for the manufacturing of the Reference Product, including materials and components, has been taken into account.
Distribution	Transport between the last Group distribution centre and an average delivery to the sales area.
Installation	Installation components not delivered with the product are not taken into account.
Use	<ul style="list-style-type: none"> • Under normal conditions of use, this type of product requires no servicing or maintenance. • No consumables are necessary to use the Reference Product. • Product category: envelope. • Use scenario: no energy consumption during the 20 years working life. This modelling duration does not constitute a minimum durability requirement.
End of life	In view of the data available on the date of creation of the document, and in accordance with the requirements of the PCR of the «PEP ecopassport» programme, transport of the Reference Product by road only once, over a distance of 1000 km, to a processing site at end of life was counted.
Software used	EIME V4.1 and its database 11.3

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ENVIRONMENTAL IMPACTS (continued)

		Total for Life cycle		Raw material and manufacture		Distribution		Installation		Use		End of life	
Mandatory indicators	Global warming	3,59E+04	kg-CO ₂ eq.	3,50E+04	97 %	4,06E+02	1 %	0,00E+00	0 %	0,00E+00	0 %	5,14E+02	1 %
	Ozon depletion	2,54E-03	kg-CFC-11 eq.	1,89E-03	74 %	2,87E-04	11 %	0,00E+00	0 %	0,00E+00	0 %	3,64E-04	14 %
	Water eutrophication	3,67E-01	kg-PO ₄ ³⁻ eq.	3,52E-01	96 %	6,75E-03	2 %	0,00E+00	0 %	0,00E+00	0 %	8,55E-03	2 %
	Photochemical ozon creation	9,42E+00	kg-C ₂ H ₄ eq.	8,63E+00	92 %	3,47E-01	4 %	0,00E+00	0 %	0,00E+00	0 %	4,40E-01	5 %
	Air acidification	4,41E+00	kg-H ⁺ eq.	4,29E+00	97 %	5,18E-02	1 %	0,00E+00	0 %	0,00E+00	0 %	6,56E-02	1 %
	Total energy depletion	6,00E+02	MJ	5,88E+02	98 %	5,13E+00	< 1 %	0,00E+00	0 %	0,00E+00	0 %	6,49E+00	1 %
	Water depletion	1,85E+02	dm ³	1,84E+02	99 %	4,87E-01	< 1 %	0,00E+00	0 %	0,00E+00	0 %	6,17E-01	< 1 %
Optional indicators	Raw material depletion	1,26E-14	year ⁻¹	1,26E-14	100 %	7,00E-18	< 1 %	0,00E+00	0 %	0,00E+00	0 %	8,86E-18	< 1 %
	Air toxicity	7,56E+06	m ³	7,38E+06	98 %	7,66E+04	1 %	0,00E+00	0 %	0,00E+00	0 %	9,69E+04	1 %
	Water toxicity	7,31E+03	m ³	7,20E+03	98 %	5,08E+01	< 1 %	0,00E+00	0 %	0,00E+00	0 %	6,43E+01	< 1 %
	Hazardous waste production	3,74E-01	kg	3,73E-01	100 %	1,51E-04	< 1 %	0,00E+00	0 %	0,00E+00	0 %	1,91E-04	< 1 %

The environmental impacts of the Reference Product are representative of the products covered by the PEP, which therefore constitute a homogeneous environmental family. The environmental impact of system, described in this document and different of the Reference Product, can be estimated by weighting the environmental impacts of the Reference Product by the corresponding factors (see table p. 5).

The values of these impacts are valid for the context specified in this document. They must not be used directly to draw up the environmental balance sheet for the installation.

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ENVIRONMENTAL IMPACTS (continued)

Designation	Correction factor to apply to each indicators, for each life cycle steps or to the total life cycle
CF54/50 GC	0.81
CF54/100 GC	0.85
CF54/150 GC	0.91
CF54/200 GC	1.00
CF54/300 GC	1.19
CF54/400 GC	1.46
CF54/500 GC	1.64
CF54/600 GC	1.78
PCF54/50 GC	0.82
PCF54/100 GC	0.85
PCF54/150 GC	0.92
PCF54/200 GC	1.01
PCF54/300 GC	1.20
PCF54/400 GC	1.47
PCF54/500 GC	1.66
PCF54/600 GC	1.80
CF30/50 GC	0.76
CF30/100 GC	0.79
CF30/150 GC	0.83
CF30/200 GC	0.91
CF30/300 GC	1.05
CF30/400 GC	1.28
CF30/500 GC	1.44
CF30/600 GC	1.55
CF105/100 GC	0.99
CF105/150 GC	1.08
CF105/200 GC	1.17
CF105/300 GC	1.44
CF105/400 GC	1.56
CF105/500 GC	1.75
CF105/600 GC	1.87

Registration number: LGRP-2013-026-V1-EN	Drafting rule: PEP-PCR-ed 2-FR-2011 12 09
Authorisation number of checker: VH02	Programme information: www.pep-ecopassport.org
Date of issue: 01-2013	Validity period: 4 years
Independent verification of the declaration and data, in accordance with ISO 14025:2006 Internal <input checked="" type="checkbox"/> External <input type="checkbox"/>	
In accordance with ISO 14025 :2006 Type III environmental declaration	
The critical review of the PCR was conducted by a panel of experts chaired by J.Chevalier (CSTB)	
The elements of the present PEP cannot be compared with elements from another programme	

