



Infos about the new

European construction products regulation

From July 2017, the Construction Products Directive (89/106/EEC) will be replaced by Regulation (EU) No. 305/2011. This establishes a common technical language that supports a laying down of harmonised conditions for putting construction products into circulation, along with clear regulations for the CE mark.

Cables and wires that are permanently incorporated in a building fall under the CPR. The following have applicable for this product group since 1/7/2016:

Test standard	EN 50399
Product standard	EN 50575
Classification	EN 13501-6

1. Requirements for the products in question

- Testing and classification as per above standards
- Application of a CE mark
- Issuing of a "Declaration of Performance" (DOP)

The transition period for implementing EN 50575 runs until 1/7/2017. This means that all products which have been produced and brought into circulation (i.e. left the factory) up to this date, but not been classified and marked yet, will continue to comply with the law and the standards. The onward sale to retailers and end customers also continues to be permitted.


Class	Test method	Classification	Additional Classification
Aca	EN ISO 1716	PCS \leq 2,0 MJ/kg	
B1ca	FIPEC20 Scen 2 and	FS \leq 1,75 m; and THR1200s \leq 10 MJ; and Peak HRR \leq 20 kW; and FIGRA \leq 120 WS-1	Smoke production and Burning falling/particles and Corrosiveness
	EN 60332-1-2	H \leq 425 mm	
B2ca	FIPEC20 Scen 1 and	FS \leq 1,5 m; and THR1200s \leq 15 MJ; and Peak HRR \leq 30 kW; and FIGRA \leq 150 WS-1	Smoke production and Burning falling/particles and Corrosiveness
	EN 60332-1-2	H \leq 425 mm	
Cca	FIPEC20 Scen 1 and	FS \leq 2,0 m; and THR1200s \leq 30 MJ; and Peak HRR \leq 60 kW; and FIGRA \leq 300 WS-1	Smoke production and Burning falling/particles and Corrosiveness
	EN 60332-1-2	H \leq 425 mm	
Dca	FIPEC20 Scen 1 and	THR1200s \leq 70 MJ; and Peak HRR \leq 400 kW; and FIGRA \leq 1300 WS-1	Smoke production and Burning falling/particles and Corrosiveness
	EN 60332-1-2	H \leq 425 mm	
Eca	EN 60332-1-2	H \leq 425 mm	
Fca	No demands		

PCS	Gross heat of combustion	Brennwert
FIGRA	Fire Growth Rate	Geschwindigkeit der Brandausbreitung
THR	Total heat release	Wärmefreisetzung insgesamt
LFS	Lateral flame spread	seitliche Flammenausbreitung
SMOGRA	Smoke growth rate	Geschwindigkeit der Rauchentwicklung
TSP	Total smoke production	Rauchentwicklung insgesamt
Fs	Flame spread	Flammenausbreitung
HRR	Heat Release Rate	Energiefreisetzungsrate

2. Documentation requirements

2.1. CE marking

The products in question must be labelled with a CE mark from 1/7/2017 at the latest.

 XXXX
AnyCo Ltd, PO Box 21, B-1050, Brussels, Belgium 14 (To be given by the manufacturer)
EN 50575:2014 (To be given by the manufacturer) Supply of electricity in buildings and other civil engineering works with the objective of limiting the generation and spread of fire and smoke. Reaction to fire: B2_{ca}-s1, d1, a1 Dangerous substances: none

Declaration of Power

Producers and so-called "distributors" need to create a Declaration of Power for products coming under the CPR, and make this available to the customer. What suggests itself for producers is a download function on the internet, while importers and retailers need to provide these documents in an order-related fashion.

Cuttings from original reels

One of the biggest problems for retailers and resellers is the tracing, labelling and documentation of lengths cut from original reels. Faber is therefore providing an IT-basis for filing the required information in a supplier product matrix and making it available to the ERP system in an order-related manner. This way the required labelling and Declarations of Power can also be provided for cut lengths.

Cable printing

The CPR does not explicitly require this, but what is emerging is that the fire class labelling on the cable itself is being accepted as a common option for also enabling its conformance with relevant building regulations to be verified after its installation.

Building regulations

At this moment in time (November 2016), the building authorities have not yet issued any binding prescriptions or standards for the application of the individual fire classes to cables and wires. The trade association for "Cables and Insulated Wires" at the German Electrical and Electronic Manufacturers' Association ZVEI has elaborated a suggestion for this in a white paper in April 2015, which is now being reviewed by the relevant standardization bodies.

News

20/11/16: The first producer delivers goods to Faber that have been tested, certified and labeled in keeping with the CPR (Fig. 2).

30/1/2017: Other manufacturers supply labeled products (NYM). Faber is applying for the first own certificates for products labeled with FABER®.

21/3/2017: DIN VDE V 0250-10 appears as a so-called pre-standard. This document specifies the scope of the CPR for national cable types according to VDE 0250. The "White Paper" of the ZVEI is attached as an informative annex. Please refer to the revision of VDE 0100-420, VDE 0100-520 and DIN EN 50174.

3/5/2017: Faber starts with the CPR compliant marking (labeling) of goods, in case that manufacturers provides us with the necessary information. In addition the DoP ID is printed on the delivery notes and a DoP finder is offered on our website.

7/7/2017: The transition period for manufacturers has expired for four weeks. Unfortunately, not all relevant products are available CPR-compliant, the processing times in the test institutes are still very long. Nevertheless, we can say that for the standard cables, approximately 70% of the inventory complies with the new regulations.

Since June, we have conducted several public and customer-related webinars on the subject of CPR. If you are interested, please contact our technical customer support department:

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