

Centexbel INFOsheet

CE-marking of Floor Covering

EN 14041: RESILIENT, TEXTILE AND LAMINATE FLOOR COVERING - ESSENTIAL CHARACTERISTICS

Centexbel: Notified body # 0493

To guarantee the free trade of construction products, the European Commission has issued the “**Construction products Regulation**” (305/2011/EEC) on March 9th, 2011.

Materials produced for incorporation in a permanent manner in construction works, including both buildings and civil engineering works, must comply with the fundamental regulations during an economically relevant lifetime, provided regular maintenance is carried out.

These FUNDAMENTAL REGULATIONS include:

- ✘ mechanical strength and stability
- ✘ fire safety
- ✘ hygiene, health and environment
- ✘ safety of use
- ✘ sound nuisance
- ✘ energy savings and heat retention

The Regulation only indicates the essential requirements. How these essential requirements have to be met is left to experts who translate them into specific parameters such as – in the case of fire safety -ignitability, flame propagation, smoke propagation. These parameters will then have to be measured, implying both test methods and classifications. A material complying with the mandatory classifications will thus automatically comply with the essential requirements of the Regulation.

The European standardisation committee CEN/TC134 has developed the harmonised standard EN14041 for carpets, laminate and resilient floor coverings such as vinyl, rubber and linoleum. The EN14041 was published in August 2004, harmonised by publication by the EU on June 8th 2005.

CE marking on floor coverings according to the new regulation is mandatory since July 1st, 2013.

Because rugs, runners, etc. are not considered as building materials, CE marking does not apply to them.

The HARMONISED STANDARD describes:

- ✘ SLIP RESISTANCE* according to EN 13893, class DS (friction coeff. ≥ 0.30) or NPD (No Performance Determined), carpet is to be classified as DS without testing
- ✘ REACTION TO FIRE* according to EN 13501-1, classes A_{fl}-F_{fl}
- ✘ CONTENT OF PENTACHLOROPHENOL* (PCP) according to EN 12673 (product may not contain PCP)
- ✘ FORMALDEHYDE EMISSION* according to EN 717-2, class E1 of E2
- ✘ WATER-TIGHTNESS according to EN 13553: not applicable to textile floor coverings
- ✘ ELECTRICAL BEHAVIOUR according to EN 1815: antistatic floor coverings (≤ 2 kV)
- ✘ THERMAL CONDUCTIVITY according to ISO 8302 ($\leq 0,17$ m².K/W)
- ✘ ELECTRICAL RESISTANCE according to ISO 10965: static dissipative floor coverings (vertical resistance $\leq 10^9$ Ohm)
- ✘ ELECTRICAL RESISTANCE according to ISO 10965: conductive floor coverings (vertical resistance $\leq 10^6$ Ohm)

*essential requirements

The three competent European federations (ECRA = European Carpet and Rug Association; ERFMI = European Resilient Flooring Manufacturers Institute and EPLF = European Producers of Laminate Flooring) have arrived at the following agreements:

- ✘ the CE mark has to be affixed upon the packaging and not on the individual product
- ✘ pictograms will only be used in Declaration of Performance (DoP) document under topic 8

The conformity of a floor covering with the requirements of EN 14041 must be attested in part by the producer himself, but for certain characteristics, the producer will have to apply to a NOTIFIED TESTING LABORATORY or to a NOTIFIED PRODUCT CERTIFICATION BODY, such as CENTEXBEL which is both.

The conformity of products shall be analysed and controlled according to different systems. The systems may vary according to the complexity of the regulations and tests necessary to demonstrate the conformity of the product with the manufacturer's claims.

Centexbel INFOsheet

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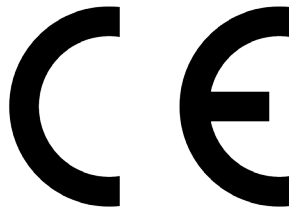
ATTESTATION LEVEL OF CONFORMITY TYPE SYSTEM « 1 »

This system is mandatory for fire classes B_{f1} and C_{f1} for those products that have obtained these fire classes by adding fire retardant additives during the production process.

Tasks under the responsibility of the MANUFACTURER OR DISTRIBUTOR

- ✘ maintain factory production control (FPC)
- ✘ draw up declaration of performance (DoP)
- ✘ submit an application for initial type testing to a notified test lab of all essential requirements:
 - reaction to fire
 - slip resistance (if relevant)
 - formaldehyde emission (if relevant)
 - content of pentachlorophenol (if relevant)
- ✘ submit an application for initial control of the factory and factory production control (FPC) by a notified product certification body
- ✘ affix CE-marking upon packaging and on commercial documentation

CE MARKING OF CONFORMITY TYPE SYSTEM « 1 » ON PACKAGING AND COMMERCIAL DOCUMENTATION



EN14041

0493-CPR-XXXX (number of declaration of performance)
Textile, resilient or laminate floorcovering

Name and address of the manufacturer/distributor or identifying mark if not mentioned elsewhere on the packaging

Tasks under the responsibility of the NOTIFIED TESTING LABORATORY and NOTIFIED PRODUCT CERTIFICATION BODY

- ✘ sampling and initial type testing
- ✘ initial inspection of factory and factory production control (FPC)
- ✘ draw up number certificate of conformity
- ✘ continuous surveillance and approval of FPC

Centexbel INFOsheet

CE-marking of Floor Covering

ATTESTATION LEVEL OF CONFORMITY TYPE SYSTEM « 3 »:

This system is mandatory for all fire classes B_n and C_n for those products that have obtained these fire classes without adding fire retardant additives during the production process, as well as for fire classes D_n and E_n (except for products Classified Without Further Testing (CWFT)) .

Tasks under the responsibility of the MANUFACTURER

- ✘ maintain factory production control (FPC)
- ✘ draw up declaration of performance (DoP)
- ✘ submit an application for initial type testing to a notified test lab of all essential requirements
 - reaction to fire
 - slip resistance (if relevant)
 - formaldehyde emission (if relevant)
 - content of pentachlorophenol (if relevant)
- ✘ affix CE-marking upon packaging and on commercial documentation

CE MARKING OF CONFORMITY TYPE SYSTEM « 3 » ON PACKAGING AND COMMERCIAL DOCUMENTATION



EN14041

DoP-CPR-XXXX (number of declaration of performance)
Textile, resilient or laminate floorcovering

Name and address of the manufacturer/distributor or identifying mark if not mentioned elsewhere on the packaging

Tasks under the responsibility of the NOTIFIED TESTING LABORATORIES

- ✘ initial type testing

Centexbel INFOsheet

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OVERVIEW TASKS WITHIN THE DIFFERENT SYSTEMS FOR ATTESTATION OF CONFORMITY

	RESPONSIBLE BODY			frequency
	Producer	Notified Certification Body	Notified Testlab	
System 1				
initial inspection of factory and of FPC ¹		v		once
Initial type testing	v		v sampling & testing	once every five years
Continuous surveillance, assessment and approval		v		once a year
FPC ¹	v			depending on product and process

	RESPONSIBLE BODY			frequency
	Producer	Notified Certification Body	Notified Testlab	
System 3				
initial inspection of factory and of FPC				
Initial type testing	v sampling		v testing	once every five years
Continuous surveillance, assessment and approval				
FPC ¹	v			depending on product and process

¹ FPC: factory Production Control system

As a Notified Body (#0493) Centexbel provides full certification services for floor coverings according to the Construction Products Regulation:

TESTING
FPC-AUDITS
CERTIFICATION

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