

# CE-marking of Wall Covering

EN 15102: Decorative wallcoverings – Roll and panel form products

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 9<sup>th</sup>, 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
- safety in the case of fire
- hygiene, health and environment
- safety and accessibility in use
- protection against noise
- energy economy and heat retention
- sustainability of natural resources

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/TC99 has developed the harmonised standard EN15102 for wall coverings. EN15102 was published in September 2007 and harmonised by publication by the EU on December 18<sup>th</sup>, 2009.

CE marking according to the new regulation on wall coverings is mandatory since July 1<sup>st</sup>, 2013.

The harmonised standard describes:

- reaction to fire<sup>1</sup> according to EN 13501-1
- release of formaldehyde<sup>1</sup> according to EN 12149
- release of heavy metals<sup>1</sup> according to EN12149
- release of vinyl chloride monomer (VCM)<sup>1</sup> according to EN12149
- sound absorption according to ISO 354
- thermal resistance according to EN 12667 or EN 12524

The conformity of a wall covering with the requirements of EN 15102 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 and inspection 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.

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1 essential requirements

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## ATTESTATION LEVEL OF CONFORMITY TYPE SYSTEM 1

This system is mandatory for fire classes A1, A2, B and C 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
- release of formaldehyde (if relevant)
- release of heavy metals (if relevant)
- release of vinyl chloride monomer (VCM) (if relevant)
- submit an application for initial control of the factory and factory production control (FPC) by a notified product certification and inspection body
- affix CE-marking upon packaging and on commercial documentation

## CE marking of conformity type system « 1 » on packaging and commercial documentation



EN15102:2007+A1:2011  
12 (last two digits of the year in which the marking is affixed)  
0493/CPR/XXXX (number of declaration of performance)  
Wallcovering

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

REACTION TO FIRE CLASS:  
RELEASE OF FORMALDEHYDE:  
RELEASE OF HEAVY METALS:  
RELEASE OF VINYL CHLORIDE MONOMER:  
SOUND ABSORPTION:  
THERMAL RESISTANCE:

## Tasks under the responsibility of the notified testing laboratory and notified product certification and inspection body

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

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## ATTESTATION LEVEL OF CONFORMITY TYPE SYSTEM 3

This system is mandatory for all fire classes A1, A2, B and C 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 and E (except for products Classified Without Further Testing (CWFT)).

Tasks under the responsibility of the manufacturer or distributor

- maintain factory production control (FPC)
- draw up declaration of performance (DoP)
- submit an application initial type testing to a notified test lab of all essential requirements
- reaction to fire
- release of formaldehyde (if relevant)
- release of heavy metals (if relevant)
- release of vinyl chloride monomer (VCM) (if relevant)
- affix CE-marking upon packaging and on commercial documentatio

## CE marking of conformity type system « 3 » on packaging and commercial documentation



EN15102:2007+A1:2011

12 (last two digits of the year in which the marking is affixed)

DoP-CPR-XXXX (number of declaration of performance)

Wallcovering

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

REACTION TO FIRE CLASS:

RELEASE OF FORMALDEHYDE:

RELEASE OF HEAVY METALS:

RELEASE OF VINYL CHLORIDE MONOMER:

SOUND ABSORPTION:

THERMAL RESISTANCE:

## Tasks under the responsibility of the notified testing laboratories

- initial type testing

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## OVERVIEW OF TASKS WITHIN THE DIFFERENT SYSTEMS FOR ATTESTATION OF CONFORMITY

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

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

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

### TESTING FPC-AUDITS CERTIFICATION

<sup>1</sup> FPC: factory Production Control system



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