

# EUROPEAN SYSTEM FOR STANDARDISATION AND CERTIFICATION FOR CONSTRUCTION PRODUCTS

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## One of the objectives of the EU Treaty is the creation of the Internal Market.

**This means that it is necessary to:**

- **abolish existing barriers to trade**  
(specific product Directives e.g. 89/106/EEC)
- **avoid creating new unjustified barriers**  
(notification Directive 98/34/EC)
- **control the functioning of the market**  
(effective market surveillance)

## **OBJECTIVES OF COUNCIL DIRECTIVE** **89/106/EEC**

- to achieve an EU internal market for construction products by removing technical barriers to trade **through technical harmonisation**,
- to allow **access to that market** for as many manufacturers as possible,
- to ensure the greatest possible degree of **market transparency**,
- to create the conditions for a harmonized system of **general rules** in the construction industry.

## Council Directive 89/106/EEC (Construction Products Directive - CPD) foresees:

- the elaboration of **European technical specifications** and application of the **CE marking** on construction products complying to these specifications,
- the implementation of the **European technical specifications** in all Member States to ensure the free trade and use of construction products in the EU

## European technical specifications in CPD:

- harmonised European standards
- European Technical Approvals

## THE ELABORATION OF HARMONISED EUROPEAN STANDARDS

Commission invites CEN/CENELEC through **mandates** to elaborate European standards in support of EU policies and legislation (directives).

We encourage all **stakeholders to participate** (industry, consumers, environmental NGOs) in the standardisation process.

The Commission **financially supports** the development of European standards.

The Commission **publishes the references** of the harmonised European standards in the Official Journal of the EU.



## **CEN RESULTS:**

**CEN ([www.cenorm.be](http://www.cenorm.be))** works to elaborate about 500 harmonised product ENs and 1500 supporting ENs (test methods).

**Latest list of 275 harmonised ENs published in the OJEU C134 of 8/6/2006.**

**New consolidated list of more than 300 harmonised ENs to be published in December.**

**Almost all test methods have been adopted as ENs.**

**All 58 Eurocodes parts adopted as ENs (44 published).**

## SPACE FOR INNOVATIVE PRODUCTS:

### Construction products

- for which a harmonized European standard cannot be produced or foreseen within a reasonable period of time, or
- which deviate substantially from a European standard,

can be covered by a **European Technical Approval** issued by one of the EOTA Approval Bodies

EOTA ([www.eota.be](http://www.eota.be)) produced **23** ETA Guidelines and **some 500** ETAs have been issued.

## **THE EUROCODES WILL BE USED:**

**As a basis to verify that civil engineering works comply with the following Essential Requirements of the CPD:**

**ER1: Mechanical Resistance and stability**

**ER2: Safety in case of fire (fire resistance)**

**ER4: Safety in use (partly)**

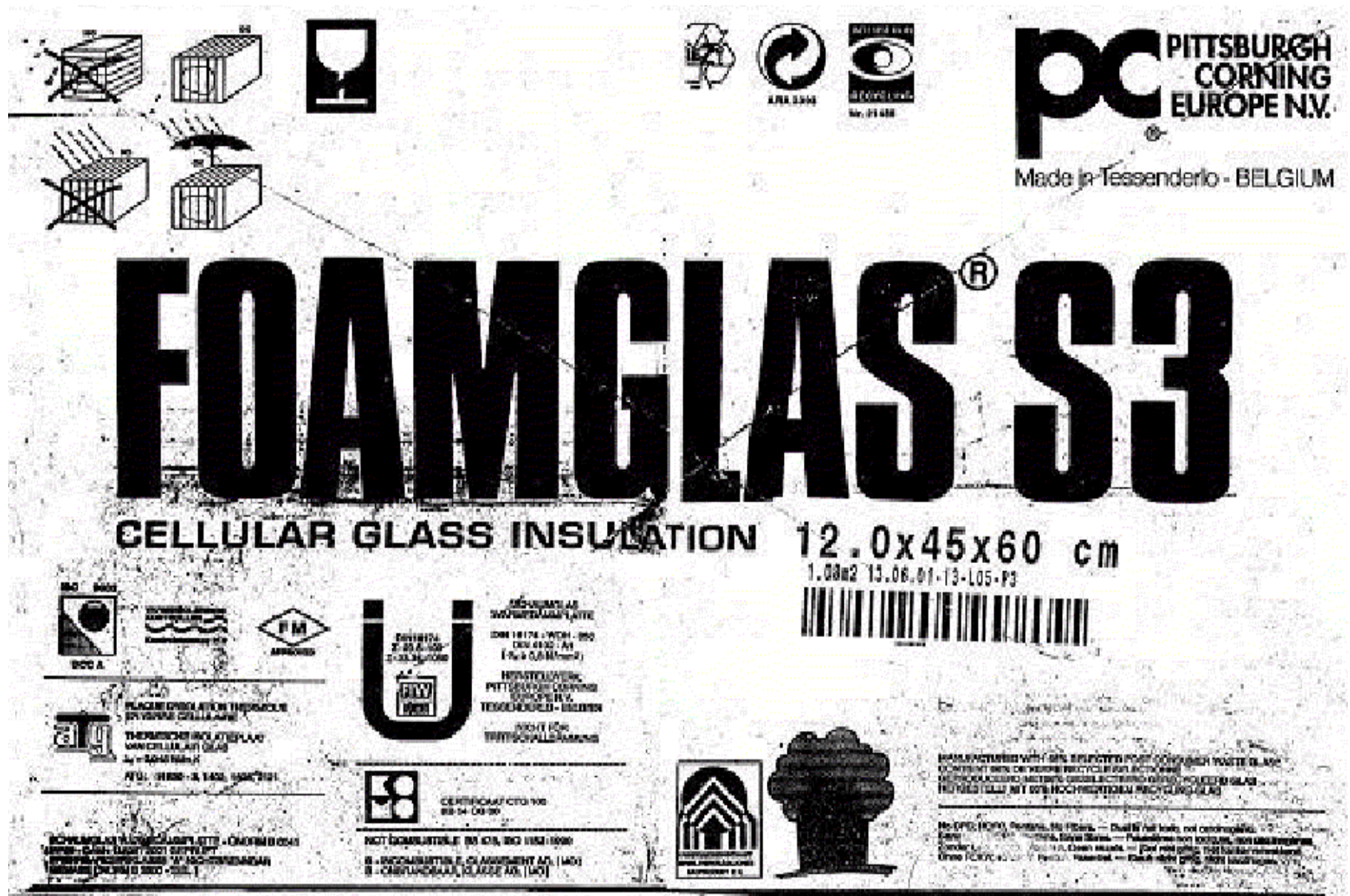
**As a basis to evaluate (by calculation) the conformity of structural components to the relevant European technical specifications.**



## Meaning of the **CE** marking

- **Passport for free trade + use of products in the EU**
- The product **complies with all relevant EU legislation** foreseeing the application of CE marking
- **Member States must allow the trade and use of products** bearing the CE marking
- **One attestation of conformity** is valid for all EU Member States
- The **producer chooses** the conformity assessment body
- The **same requirements to products manufactured outside the EU and imported to the Internal Market.**

## EXAMPLE OF OTHER MARKS BEFORE CE MARKING



## INTERNATIONAL CO-OPERATION

**EU is committed to the development and use of international standards from ISO, IEC, ITU.**

**Transposition of international standards in the EU:**

- 75% of CENELEC standards transpose IEC standards;
- 40% of CEN standards transpose ISO standards.

**In the interest of market access and facilitation of trade, we invite our trade partners to make use of European and international standards wherever possible.**

# ATTESTATION OF CONFORMITY IN APPLICATION OF EUROPEAN TECHNICAL SPECIFICATIONS

Products subject of an attestation of conformity benefit from **presumption of compliance** with the European technical specifications (they are fit for use).

The **manufacturer (or his agent in the EU)** is responsible for **placing the products on the EU market**.

He has to apply the attestation of conformity procedures **to ensure that the products are in conformity** with the European technical specifications.

The attestation of conformity procedure is defined in a **Commission Decision for each product family** and is implemented in all Member States (no attestation barriers).

T A S K S	S Y S T E M					
	1+	1	2+	2	3	4
<b>PRODUCER</b>						
<b>DECLARATION OF CONFORMITY</b>			YES	YES	YES	YES
Factory production Control (FPC)	√	√	√	√	√	√
Initial Type Testing (ITT)			√	√		√
Additional testing of samples	√	√	√			
<b>NOTIFIED BODY</b>						
<b>CERTIFICATE OF CONFORMITY</b>	YES	YES				
Certification of FPC			√	√		
Initial Type Testing (ITT)	√	√			√	
Initial Inspection of Factory + FPC	√	√	√	√		
Contin. assessment+approval of FPC	√	√	√			
Audit testing of samples	√					

## **Factory production control is:**

**The permanent internal control of production exercised by the manufacturer.**

## **Initial type testing is:**

**The execution of the complete set of tests or other procedures described in the harmonised technical specification, determining the performance of a sample of products representative for the product type.**

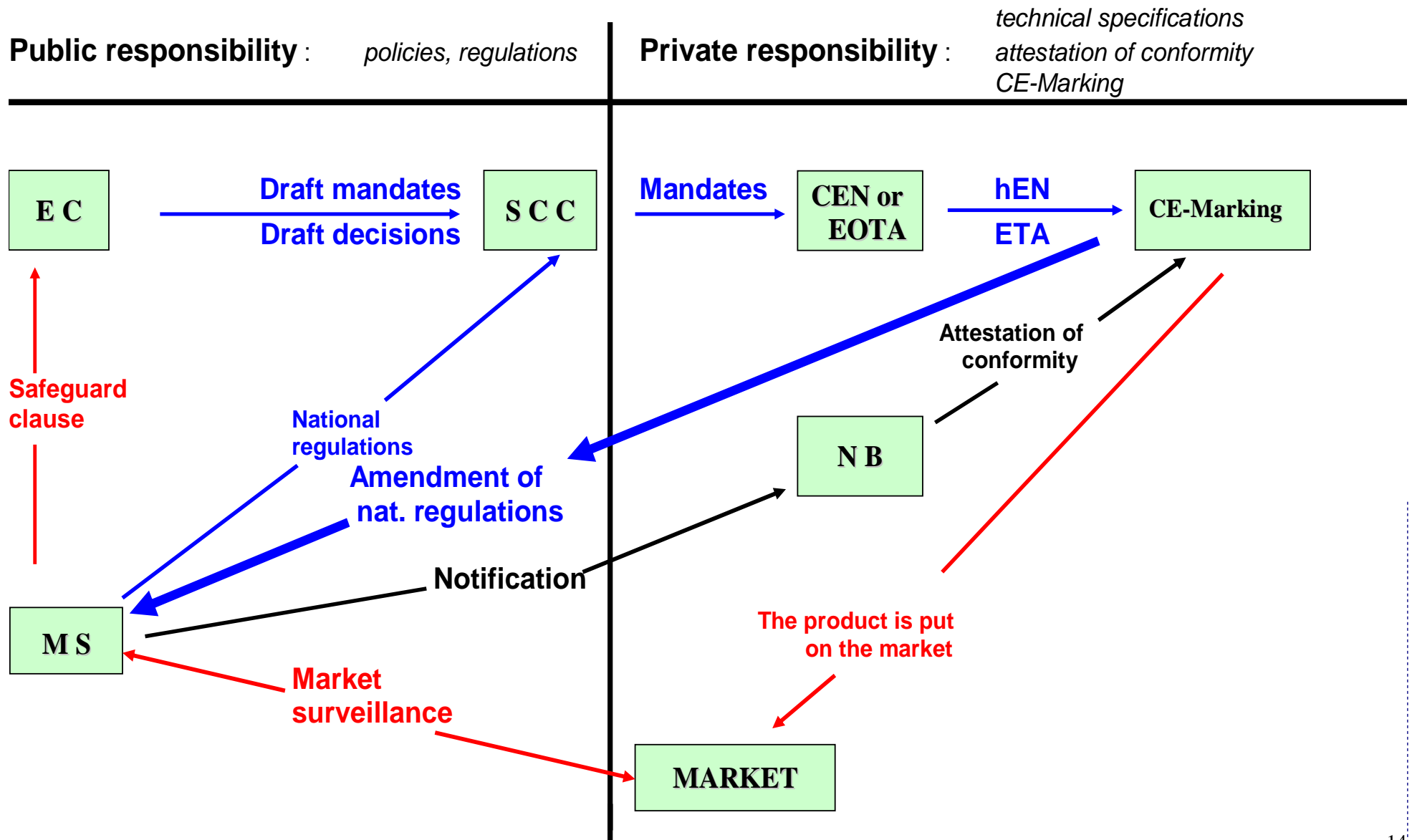


## **Attestation of Conformity (AoC) system is defined in Commission Decisions and depends upon:**

- the importance of the part played by the product with respect to the essential requirements, in particular those relating to health and safety,
- the nature of the product,
- the effect of the variability of the product's characteristics on its serviceability,
- the susceptibility to defects in the product manufacture.

**Preferred:** least onerous system consistent with safety

## THE MANAGEMENT OF THE CPD : SHARED RESPONSIBILITY





## For more information:

[http://ec.europa.eu/enterprise/construction/index\\_en.htm](http://ec.europa.eu/enterprise/construction/index_en.htm)

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# Thank you for your attention