

# Technical Workshop

ARGE Conference

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## **New Construction Products Regulation 2013**

**Differences CPR to CPD and new requirements for  
builders hardware producers**

# Personal Introduction

- **Stephan Schmidt**
- **Civil engineer**
- **Director of Association for Hardware Manufacturer in Germany**
- **Director of Quality Association and Testhouse PIV**
- **Member of many standardization groups**

## Some other regulations and directives from EU:

„old“ CPD vom 1988

- Chemicals: REACH
- Product safety
- Accreditation and market surveillance
- Energy sufficiency
- EU Ecolabel

## CPD / CPR

„old“ CPD vom 1988 / still existing:

### Conditions for the placing or making available on the market of construction products

**Construction product: any product or kit which is produced and placed on the market for incorporation in a permanent manner in construction works or part there of and the performance of which has an effect on the performance of the construction works with respect to the basic requirements for construction works**

**Question: is hardware a building product? Answer is given in the mandate M101**

## CPR adopted

- **Commission proposal adopted on 23 May 2008**
- **EP 1<sup>st</sup> reading on 24 April 2009,**
- **Council 1<sup>st</sup> reading 13 September 2010**
- **2<sup>nd</sup> reading agreement in internal trilogue of 7 December 2010**
- **EP 2<sup>nd</sup> reading vote on 18 January 2011**
- **Council adoption 28 February 2011**
- **CPR will replace CPD by July 2013 !!!**

## Basic Requirements for Construction Works BRCW:

- Mechanical resistance and stability
- Safety in case of fire
- Hygiene, health and environment
- Safety and accessibility in use
- Protection against noise
- Energy economy and heat retention
- Sustainable use of natural resources

### BRCW 3:

- Hygiene, health and environment

.....new: for lifetime !

### BRCW 4:


- Safety and accessibility in use

.....In particular, construction works must be designed and built taking into consideration accessibility and use for disabled persons

### BRCW 7:

- Sustainable use of natural resources

Re-use or recyclability, durability, environmentally compatible materials

Leistungserklärung des Herstellers in Bezug auf die Wesentlichen Merkmale des Bauprodukts auf Grund von		Systeme nach CPR (Anh.VI)				
		1+	1	2+	3	4
Hersteller	Bestimmung des Produkttyps auf Grund Typprüfung (TT), Typberechnung, Werttabellen oder Produktbeschreibung					
	Prüfung von im Werk entnommenen Proben nach festgelegtem Prüfplan					
	Werkseigene Produktionskontrolle (WPK)					
Notifizierte Produkt-zertifiz.-Stelle	Bestimmung des Produkttyps auf Grund von Typprüfung (TT), Typberechnung, Werttabellen oder Produktbeschreibung					
	Stichprobenprüfung („audit-testing“) von im Werk vor Inverkehrbringen entnommenen Proben					
	Erstinspektion von Werk und werkseigener Produktionskontrolle					
	Laufende Überwachung, Beurteilung und Evaluierung der werkseigenen Produktionskontrolle					
	 Bescheinigung der Leistungsbeständigkeit für das Produkt			Für WPK		

**NEW:**

- Article 36: Use of Appropriate Technical Documentation**  
 Clarification of cascading ITT / use of results of other manufacturers
- Article 37: Use of simplified procedures by micro-enterprises**  
 micro-enterprises are allowed to simplify system of conformity, only Level 3 and 4
- Article 38: Other simplified procedures**  
 for non series made products, individually manufactured  
 For AoC-Level 1 and 1+ the documentation has to be verified by a NB.

## Some Key Elements of the future CPR

Article 4, paragraphs 1 and 2: DoP

“When a construction product is covered by a harmonised standard or ... the manufacturer shall draw up a **declaration of performance** when such a product is placed on the market”

“When a construction product is covered by a harmonised standard or ..., information in any form about its performance in relation to the essential characteristics, as defined in the applicable harmonised technical specification, may be provided only if included and specified in the **declaration of performance** except where, in accordance with Article 5, no declaration of performance has been drawn up”

**Except for very limited cases, mandatory Declaration of Performance (DoP) ... and CE marking**

## **Some Key Elements of the future CPR**

Article 3, paragraph 3: BRCW / Essential Characteristics

“For specific families of construction products covered by a harmonised standard, the Commission shall, where appropriate ... determine ... those essential characteristics for which the manufacturer shall declare the performance of the product when it is placed on the market.”

Article 6, i. a. paragraph 3 (c): Content of DoP

“The declaration of performance shall in addition contain: ...the performance of at least one of the essential characteristics of the construction product, relevant for the declared intended use or uses”

**No empty Declaration of Performance (DoP)**

## Some Key Elements of the future CPR

### Article 10, § 3: **Product Contact Points**

“With regard to the tasks defined in Article 10(1) of Regulation (EC) No 764/2008, each Member State shall ensure that the

#### **Product Contact Points**

for Construction provide information, using transparent and easily understandable terms, on the provisions within its territory aimed at fulfilling basic requirements for construction works applicable for the intended use of each construction product, as provided for in point (e) of Article 6(3) of this Regulation.”

**At least we know where to ask.**

## Some Key Elements of the future CPR

Article 11, paragraphs 6 & 8: Obligation of manufacturers

“When making a construction product available on the market, manufacturers shall ensure that the product is accompanied by instructions and safety information **in a language determined by the Member State concerned which can be easily understood by users.**”

“Manufacturers shall, further to a reasoned request from a competent national authority, provide it with all the information and documentation necessary to demonstrate the conformity of the construction product with the declaration of performance and compliance with other applicable requirements in this Regulation, in a language which can be easily understood by that authority.”

## Some Key Elements of the future CPR

### Recital (25): “Justification” of REACH

“Where applicable, the declaration of performance should be accompanied by information on the content of hazardous substances in the construction product ... . Such information should be provided without prejudice to the obligations, particularly with regard to labelling, laid down in other instruments of Union law applicable to hazardous substances and should be made available at the same time and in the same form as the declaration of performance so as to reach all potential users of construction products.

**Yet the CE-mark is a symbol of conformity,  
and presently includes all the declared performances  
attaching/affixing it is an insufficient act for declaring the conformity!**

**In addition to the CE-mark  
manufacturers are obliged to issue signed declarations of  
conformity containing the same information as the CE-mark for  
the sole purpose of providing them to market authorities on request!**

## Declaration of Performance



1. No .12345
2. Name or identification mark and address of (authorised representative of the) manufacturer:

**Best Manufacturer Inc.**  
**1<sup>st</sup> Factory**  
**1, Road to Success**  
**1234 Heaven on Earth**

3. This declaration of performance is issued under the so-called name of the manufacturer:

**Best Manufacturer Inc.**

4. Identification of product (allowing traceability):

**CS 20-1,8 248x248x248 TLMP**

5. The performance of the product identified above is in accordance with the requirements of point 7.

6. The Notified Body **Best Care & Attention (No. 9999)** performed the assessment and issued the **certificate of conformity of the product** and issued the **certificate of conformity of the product**

7. Declaration of performance (list, levels or classes and reference to the technical specification/Specific Technical Documentations and the declared essential characteristics)

Name of the declared essential characteristics:

Level or class of performance for the declared essential characteristics:


Reference of the harmonised technical specifications:

<b>Dimensions</b>	<b>length = 240 mm</b>
	<b>width = 175 mm</b>
	<b>height = 113 mm</b>
<b>Dimensional tolerances</b>	<b>GPLM</b>
<b>Configuration</b>	<b>percentage of voids ≤ 15 %</b>
	<b>diameter of void ≤ 60 mm</b>
	<b>area of single grip hold ≤ 80 cm<sup>2</sup></b>

	<b>area of single grip hold ≤ 80 cm<sup>2</sup></b>	<b>EN 771-2</b>
	<b>distance to surface of grip holds ≥ 50 mm</b>	<b>EN 771-2</b>
<b>Compressive strength</b>	<b>mean compressive strength ≥ 43,75 N/mm<sup>2</sup></b>	<b>EN 771-2</b>
	<b>norm. compressive strength ≥ 31,57 N/mm<sup>2</sup></b>	<b>EN 771-2</b>
	<b>direction of testing perpendicular to bed faces</b>	<b>EN 771-2</b>
<b>Bond strength</b>	<b>initial shear strength: tabulated values according to EN 998-2:2003, Annex C</b>	<b>EN 771-2</b>
<b>Reaction to fire</b>	<b>Class A1</b>	<b>EN 771-2</b>
<b>Water absorption</b>	<b>NPD</b>	<b>EN 771-2</b>
<b>Water vapour permeability</b>	<b>NPD</b>	<b>EN 771-2</b>
<b>Gross dry density</b>	<b>min ≥ 1810 kg/m<sup>3</sup></b>	<b>EN 771-2</b>
	<b>max ≤ 2000 kg/m<sup>3</sup></b>	<b>EN 771-2</b>
<b>Frost resistance</b>	<b>NPD</b>	<b>EN 771-2</b>

Signed for and on behalf of: **Best Manufacturer Inc.**

**Heaven on Earth 30.02.2010**  
 (place and date of issue)

  
**Poor Chap (manager)**  
 (name, function)(signature)

## Required Documentation

- + up to 24 performance information on Regulated Dangerous Substances (BRCW 3)
- + up to 19 indicators for the sustainability assessment of works (BRCW 7)
- ➔ at least 1 additional page of interesting, important information for engineers, architects and interested customers (which they can access electronically as it is already part of the DoP) but overstraining the typical user on site

## Conclusion

### Differences CPR to CPD and new requirements for builders hardware producers

- **NEW CPR** is mandatory for all countries
- **NEW CPR** is written much clearer
- **NEW CPR** doesn't help much to simplify procedures
- **NEW CPR** with a lot of open questions
- **NEW CPR** has more „ER“ : today BRCW
- **NEW CPR** Information points have to be created
- **NEW CPR** demands new documents: DOP
- **NEW CPR** mentions market surveillance without any detailed information

A large, stylized version of the ARGE logo, featuring the letters 'A', 'R', 'G', and 'E' in a bold, black, sans-serif font. Each letter is enclosed in a blue square frame with a white 'L' shape cut out from its top-left corner.