

# DPP updates in the Construction sector

DG GROW, Unit H.1 – Oscar NIETO SANZ

# DPP updates in the Construction sector

Regulation (EU) 2024/3110

*DG GROW H.1*



Official Journal  
of the European Union

EN  
L series

2024/3110

18.12.2024

**REGULATION (EU) 2024/3110 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL**

**of 27 November 2024**

**laying down harmonised rules for the marketing of construction products and repealing Regulation  
(EU) No 305/2011**

PE/12/2024/REV/1

*OJ L, 2024/3110, 18.12.2024*

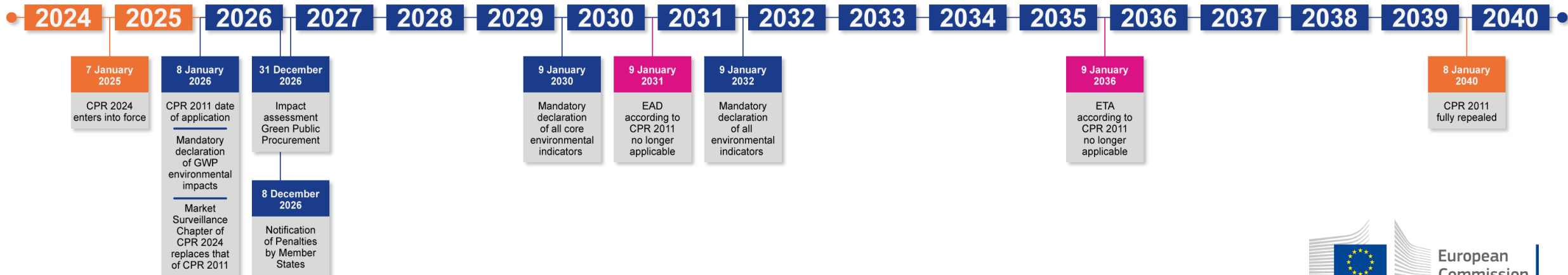
ELI: <http://data.europa.eu/eli/reg/2024/3110/oj>

# CPR transition harmonised technical specifications

Harmonised standards  
under CPR 2011

445 standards

Harmonised technical  
specifications under CPR 2024



# Product families and priorities



# Harmonised standards development



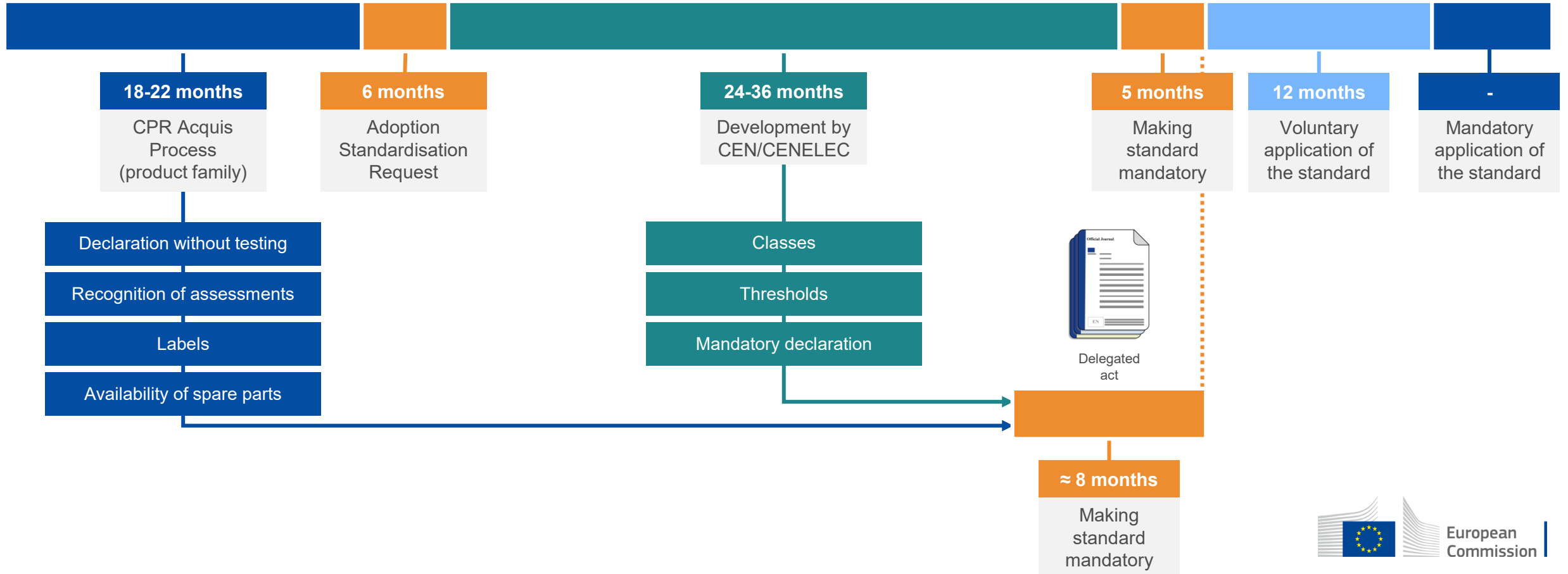
Standardisation request



Candidate harmonised standard

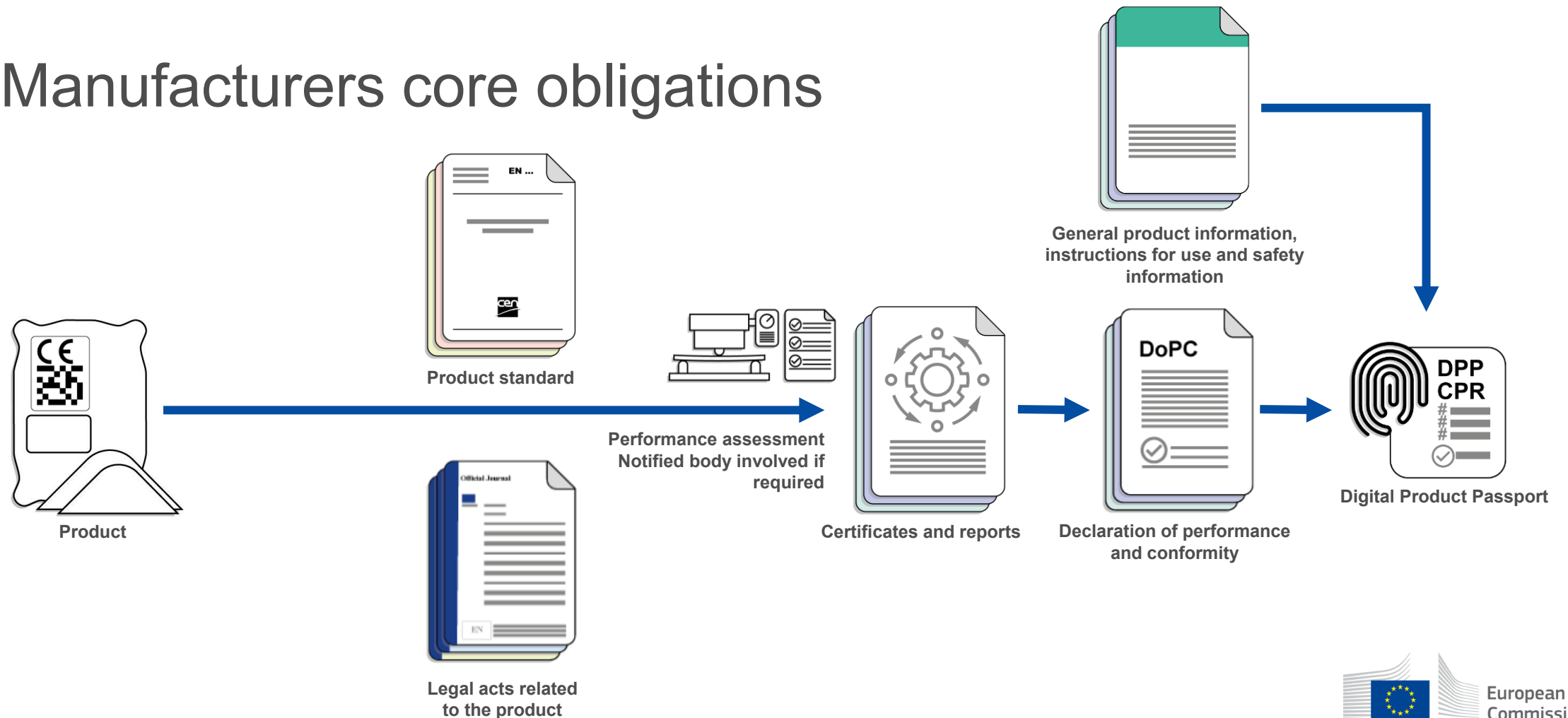


Implementing act



# Placing products on the EU market

## Manufacturers core obligations



# Essential characteristics development



Brussels, 28.7.2025  
C(2025) 4828 final  
ANNEXES 1 to 2

ANNEXES

to the

COMMISSION IMPLEMENTING DECISION

on a standardisation request to the European Committee for Standardisation as regards  
cement, lime and other hydraulic binders in support of Regulation (EU) 2024/3110 of the  
European Parliament and of the Council

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## CEN-CENELEC GUIDE 36

Guidance on the rules for  
the drafting and  
presentation of candidate  
performance harmonized  
standards in support of  
Regulation (EU) 2024/3110  
Construction Products  
Regulation CPR-2024

March 2025

CEN and CENELEC decided to adopt this new CEN-CENELEC Guide 36 through...





# Essential characteristics development

CEN shall follow the procedures in place for quality verification of harmonised standard before their adoption.

## 2.2. References to standards

The harmonised standards shall only contain unequivocal dated normative references to other CEN standards, CEN ISO standards, ISO standards or parts thereof ('supporting standards'). Supporting standards or parts thereof may neither conflict with Union law nor provide for discretion where such discretion has not been laid down in Union law and shall not include direct or indirect references to national provisions.

Supporting standards shall not include normative references to other standards or parts thereof other than those fulfilling the conditions set out in this point. Where these conditions are not fulfilled, the harmonised standard may clarify the normative reference referred to, including the dates of the chain of references which are applicable.

## 2.3. Essential characteristics

In relation to the assessment and declaration of essential characteristics, the standards shall include the reference assessment method for each essential characteristic (the harmonised standard may offer additional information referring to other supporting standards as regards sampling or testing conditions when needed).

For all essential characteristics related to the content and release of dangerous substances, the same methods and criteria for assessing the performance shall apply across products, unless it is found necessary, and justified in writing, to apply particular methods and or criteria in relation to particular products.

For the essential characteristics related to the content and release of dangerous substances, the harmonised standards shall apply assessment methods applicable across materials, consistent with those developed by the Technical Committee dealing with construction products – assessment of release of dangerous substances.

For the essential characteristics related to environmental sustainability, the harmonised standards shall identify and enumerate all the relevant elements of performance related to the whole life cycle of the products concerned. This standardisation work shall be consistent with Annex II of Regulation (EU) 2024/3110, the most updated version of the horizontal standard dealing with sustainability of construction works – environmental product declarations – core rules for the product category of construction products and with the complementary product category rules defined in the harmonised standard listed in Table 2, point 9, of Annex II.

When the declared performance is a numerical value or a class obtained from a numerical value, the harmonised standards shall include the following information for each essential characteristic:

- the physical dimensions according to the SI standard: time (T), length (L), mass (M), electric current (I), thermodynamic temperature (K), amount of substance (N) and luminous intensity (J) a derivation of them or ratio in case of dimensionless quantities;
- the statistical value declared expressed using a specific point, like the fractile (e.g., 50% fractile is the median) and a confidence interval, which indicates the range within which the true value is likely to fall, as well as the probability that this interval contains the true value. In justified circumstances a simpler method, such as setting out a characteristic value can also be applied;
- the units in which the performance is expressed or dimensionless;
- when applicable, the rounding method used for the declaration.

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Group	BRCW <sup>1</sup>	Essential characteristic	EU threshold	Class	Comments
common cement	1	minimum standard compressive strength - 28 days	≥ 32.5 MPa	Table 24	mandatory declaration
		maximum standard compressive strength - 28 days		Table 25	
		minimum very early compressive strength - 24 h			
		minimum early compressive strength - 2 days		Table 32	
		minimum early compressive strength - 7 days		Table 33	
		minimum late compressive strength - 56 days			
		minimum late compressive strength - 90 days			
		initial setting time	≥ 45 min		mandatory declaration
		loss on ignition	≤ 5.0%		mandatory declaration only for primary cement (a minimum of 95% clinker) and binary cements with clinker and 36% to 95% of blast furnace slag
		soundness	≤ 10 mm		mandatory declaration
		heat of hydration			
		pozzolanicity - hydroxyl ion concentration			relevant only for pozzolanic cements with a maximum of 55% of a combination of silica fume, natural pozzolana, natural activated pozzolana, fly ash and coal bottom ash and a maximum of 10% silica fume
		pozzolanicity - calcium oxide concentration			relevant only for pozzolanic cements with a maximum of 55% of a combination of silica fume, natural pozzolana, natural activated pozzolana, fly ash and coal bottom ash and a maximum of 10% silica fume
		insoluble residue content	≤ 5.0%		mandatory declaration and threshold only for primary cement (a minimum of 95% clinker) and binary cements with clinker and 36% to 95% of blast furnace slag
		sulphate content			
		chloride content	≤ 0.10%		mandatory declaration, threshold not applicable to binary cement with clinker and a maximum of 95% of blast furnace slag and to composite cements with a minimum of 35% clinker, a maximum of 59% of blast-furnace slag and a maximum of 20% of natural pozzolana, natural activated

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Standardisation request

# Essential characteristics development

Standardisation  
request

Group	BRCW <sup>1</sup>	Essential characteristic	EU threshold	Class	Comments
		minimum standard compressive strength - 28 days	$\geq 32.5$ MPa	Table 24	mandatory declaration

In relation to the assessment and declaration of essential characteristics, the standards shall include the reference assessment method for each essential characteristic (the harmonised standard may offer additional information referring to other supporting standards as regards sampling or testing conditions when needed).

- (a) the physical dimensions according to the SI standard: time (T), length (L), mass (M), electric current (I), thermodynamic temperature (K), amount of substance (N) and luminous intensity (J) a derivation of them or ratio in case of dimensionless quantities;
- (b) the statistical value declared expressed using a specific point, like the fractile (e.g., 50% fractile is the median) and a confidence interval, which indicates the range within which the true value is likely to fall, as well as the probability that this interval contains the true value. In justified circumstances a simpler method, such as setting out a characteristic value can also be applied;
- (c) the units in which the performance is expressed or dimensionless;
- (d) when applicable, the rounding method used for the declaration.

# Essential characteristics development

Group	BRCW <sup>1</sup>	Essential characteristic	EU threshold	Class	Comments
		minimum standard compressive strength - 28 days	≥ 32.5 MPa	Table 24	mandatory declaration

## TEMPLATE

Table ZA.1.1 includes the essential characteristics related to [name of product A-n as given in the standardization request] for the intended use [intended use 1-n as given in the standardization request] and the applicable assessment and verification systems according to the delegated act adopted by the EC: [code of the EC legal act, adopted by the EC] [(insert here the No. of OJEU)].

**Table ZA.1.1 - relevant clauses for product [A-n] and intended use [1-n]**

Essential characteristic	Clause	Clause method	Symbol	Reference document	Reference document clause	Quantity	Unit	Value kind	Possible values	Boundary values	AVS	Notes
[name of essential characteristic 1 as given in the standardization request]	4.[x]	5.[x]	[symbol]	[EN...]	[X]	[X]	[unit]	[value kind]	[class]	[threshold/declared]	[X]	[note]
...	...	...	...	...	...	...	...	...	...	...		...

# Essential characteristics development

Essential characteristic	Clause	Clause method	Symbol	Reference document	Reference document clause	Quantity	Unit	Value kind	Possible values	Boundary values	AVS	Notes
[name of essential characteristic 1 as given in the standardization request]	4.[X]	5.[X]	[symbol]	[EN...]	[X]	[X]	[unit]	[value kind]	[class]	[threshold/declared]	[X]	[note]
...	...	...	...	...	...	...	...	...	...	...		...

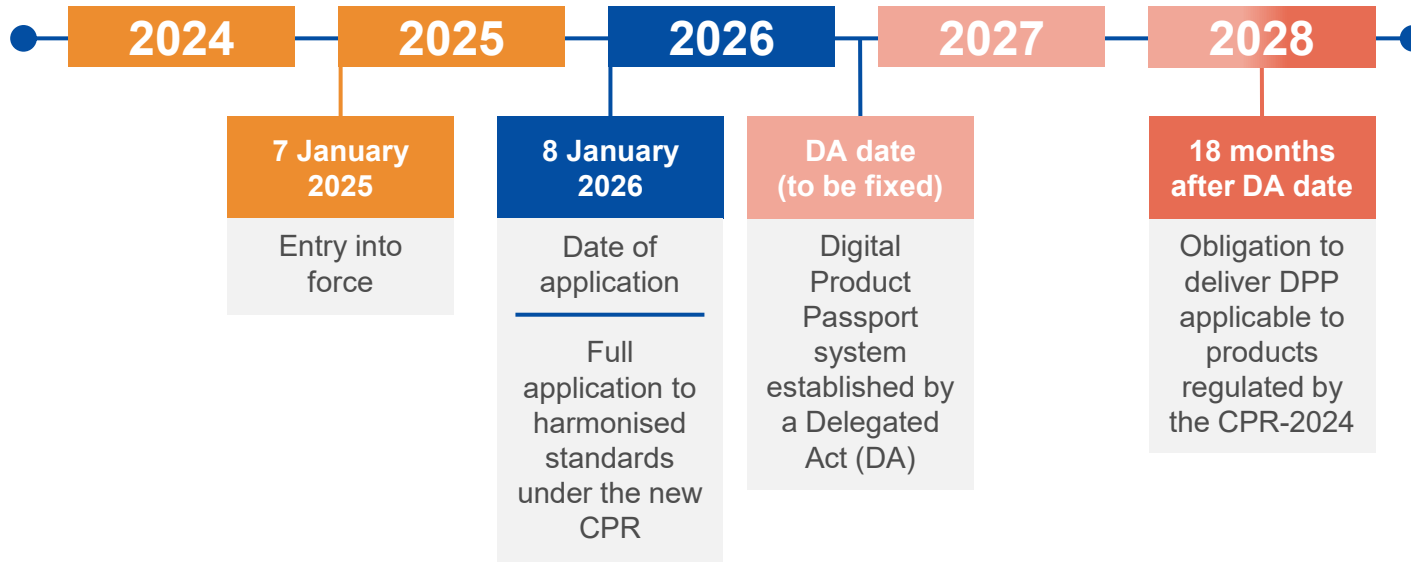
Essential characteristic	Clause	Clause method	Symbol	Reference document	Reference document clause	Quantity	Unit	Value kind	Possible values	Boundary values	AVS	Notes
minimum standard compressive strength - 28 days	4.1	5.1		EN 196-1:2016		ML-1T-2	MPa	≥	classes	32.5 MPa	1+	

# Environmental sustainability

Essential characteristic	Clause	Clause method	Symbol	Reference document	Reference document clause	Quantity	Unit	Value kind	Possible values	Boundary values	AVS	Notes
reference service life	4.[x]	5.[x]		EN15804:2012 +A2:2019 +AC:2021		T	years	=			3+	
climate change - total	4.[x]	5.[x]	...	EN15804:2012 +A2:2019 +AC:2021		M	kg CO <sub>2</sub> eq.	≤			3+	
climate change - fossil	4.[x]	5.[x]		EN15804:2012 +A2:2019 +AC:2021		M	kg CO <sub>2</sub> eq.	≤			3+	
climate change - biogenic	4.[x]	5.[x]		EN15804:2012 +A2:2019 +AC:2021		M	kg CO <sub>2</sub> eq.	≤			3+	
climate change - land use and land use change	4.[x]	5.[x]		EN15804:2012 +A2:2019 +AC:2021		M	kg CO <sub>2</sub> eq.	≤			3+	
...												

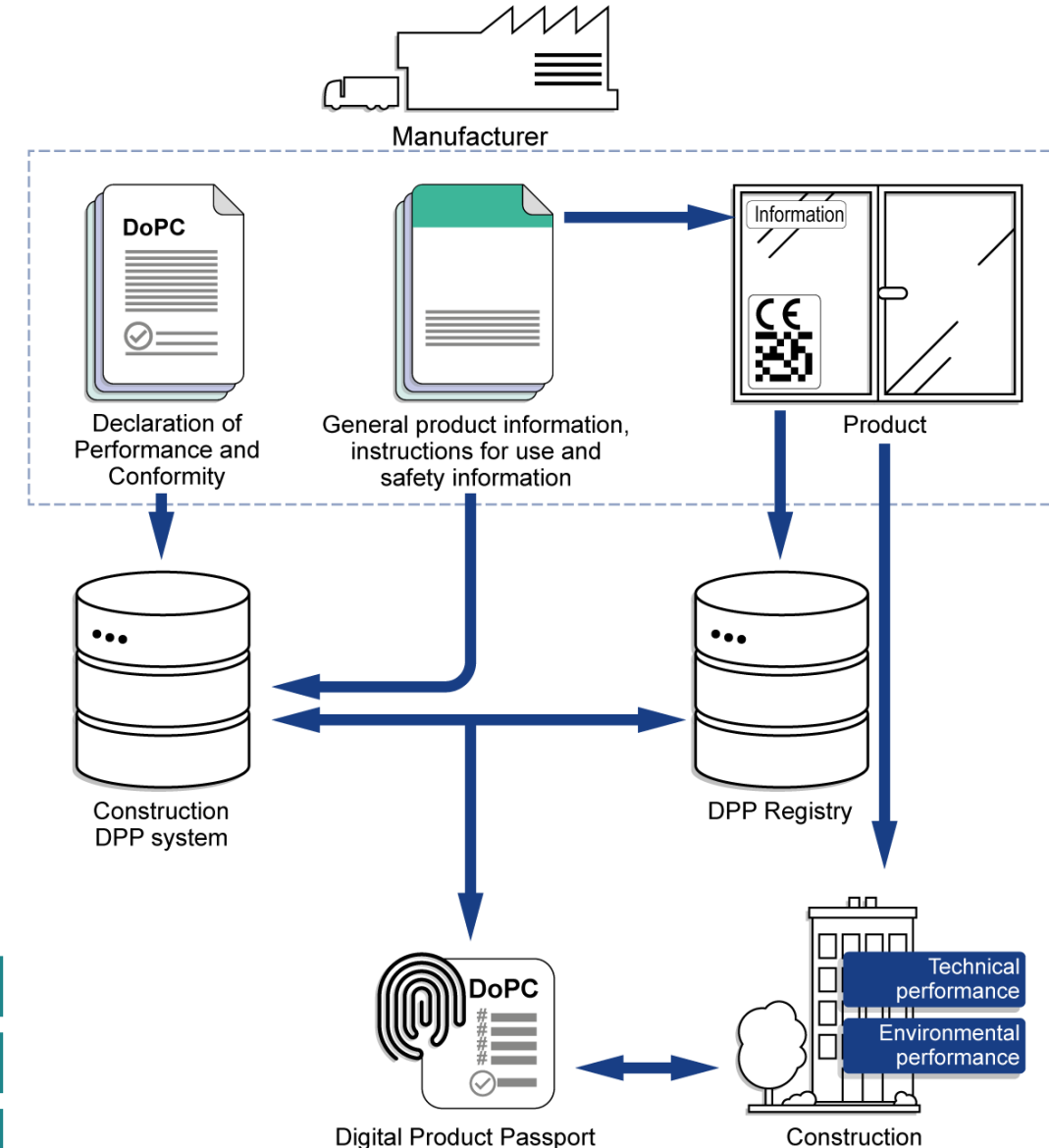
LCA indicators included in EN 15804 are always included in all standards

# Digitalisation



## Information

based on open standards	structured
machine-readable	searchable
developed with an interoperable format	transferable through an open interoperable data exchange network without vendor lock-in



ECODESIGN FOR SUSTAINABLE PRODUCTS REGULATION (ESPR)

CONSTRUCTION PRODUCTS REGULATION (CPR)

CPR Delegated Act Article 75

Harmonised technical specifications and European assessment documents

# ECODESIGN FOR SUSTAINABLE PRODUCTS REGULATION (ESPR)

## Unique identifiers

Unique product identifier

dpp:3234567890126

Unique operator identifier

dpp:VAT:AT U14589505

Unique facility identifier

dpp:ISO3166-2:BE

## Data carriers



## ESPR Registry

Stores in a secure manner unique identifiers

Other DPP data to be stored

## Web portal

Information  
Digital Product  
Passport

# CONSTRUCTION PRODUCTS REGULATION (CPR)

CPR Delegated Act Article 75

Harmonised technical specifications and European assessment documents



# ECODESIGN FOR SUSTAINABLE PRODUCTS REGULATION (ESPR)

## CONSTRUCTION PRODUCTS REGULATION (CPR)

### Granularity

Product type as defined by the manufacturer

abstract model of individual products, determined by the intended use and a set of characteristics which exclude any variation with regard to performance or to the fulfilment of product requirements

### Availability

10  
years

Manufacturer  
responsibility

15  
years

Procedure to  
ensure  
availability

Back up DPP

### Documents

Declaration of performance and conformity

General product information, instructions for use and safety information

Label

Unique identifiers

Documentation under other Union law

Technical documentation

CPR Delegated Act Article 75

Harmonised technical specifications and European assessment documents

# ECODESIGN FOR SUSTAINABLE PRODUCTS REGULATION (ESPR)

## CONSTRUCTION PRODUCTS REGULATION (CPR)

### CPR Delegated Act Article 75

#### BIM

Compatibility with  
product data  
templates

Data  
post-integrated  
in other tools

#### Access

DPP access rights

Permissions for  
creation and update

DPP service  
providers

#### Options

Centralised  
database

Licensed DPP  
service providers

Manufacturers  
hosting + backup

#### Data dictionary

Procedure to create  
and update data

Harmonised technical specifications and European assessment documents

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# ECODESIGN FOR SUSTAINABLE PRODUCTS REGULATION (ESPR)

## CONSTRUCTION PRODUCTS REGULATION (CPR)

### CPR Delegated Act Article 75

#### Harmonised technical specifications and European assessment documents

Human and machine-readable format

Standards and EAD provide guidelines to ensure interoperability

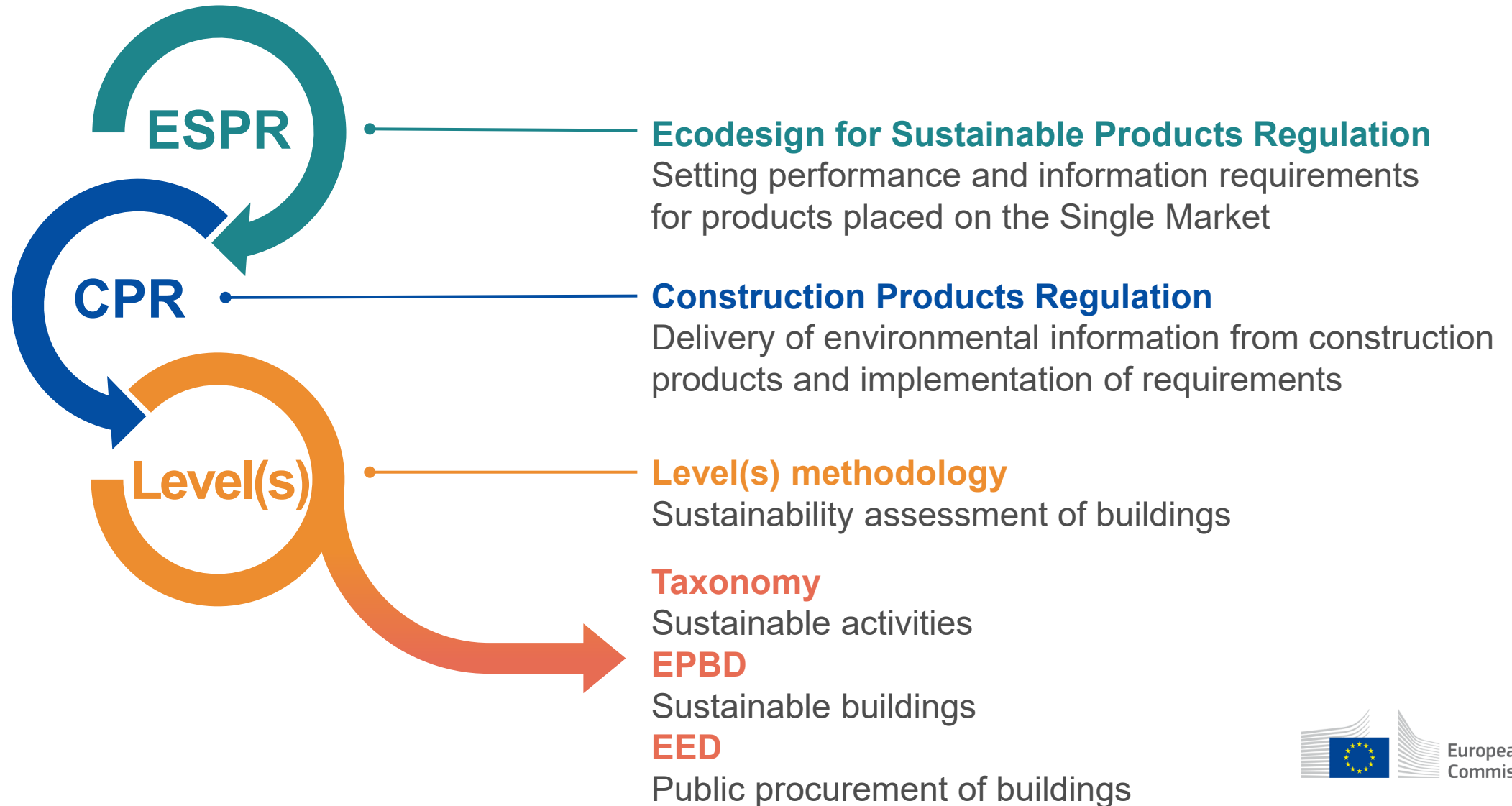
Information provided in a structured way in tables in a section of the harmonised standards or EAD

Technical content developed by technical experts without the need for IT training

Structured data to be digitalised using IT tools or as part of the DPP service provider contract

Citation of harmonised standards and EAD trigger the implementation/update of the data dictionary

# EU Regulatory framework





# Key messages

DPP under CPR is implemented through product standards

Horizontal structure is shared with other DPP systems

Data hosting is established separately

Data availability is established in 25 years and may be prolonged

Data structure is built on existing BIM templates but adapted to the regulatory framework

# Thank you



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# Final Remarks

**DG GROW G.2 Head of Unit – Stefka DZHUMALIEVA**





# Thank you!

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