

New Construction Products Regulation

Regulation (EU) 2024/3110

DG GROW H.1

CPR acquis process – Milestones

0

Pre-standardisation work

- Development of assessment methods not available or not harmonised

I

Work programme and scope

- List of products, materials, intended uses and forms and shapes (when relevant)

III

Preparation of the technical content

- BRCW and essential characteristics
- Product requirements

II

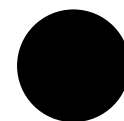
Creation of technical boards

- Specific task groups to deal with subfamilies

IV

Final consultation

- Standardisation request
- Delegated act for product requirements

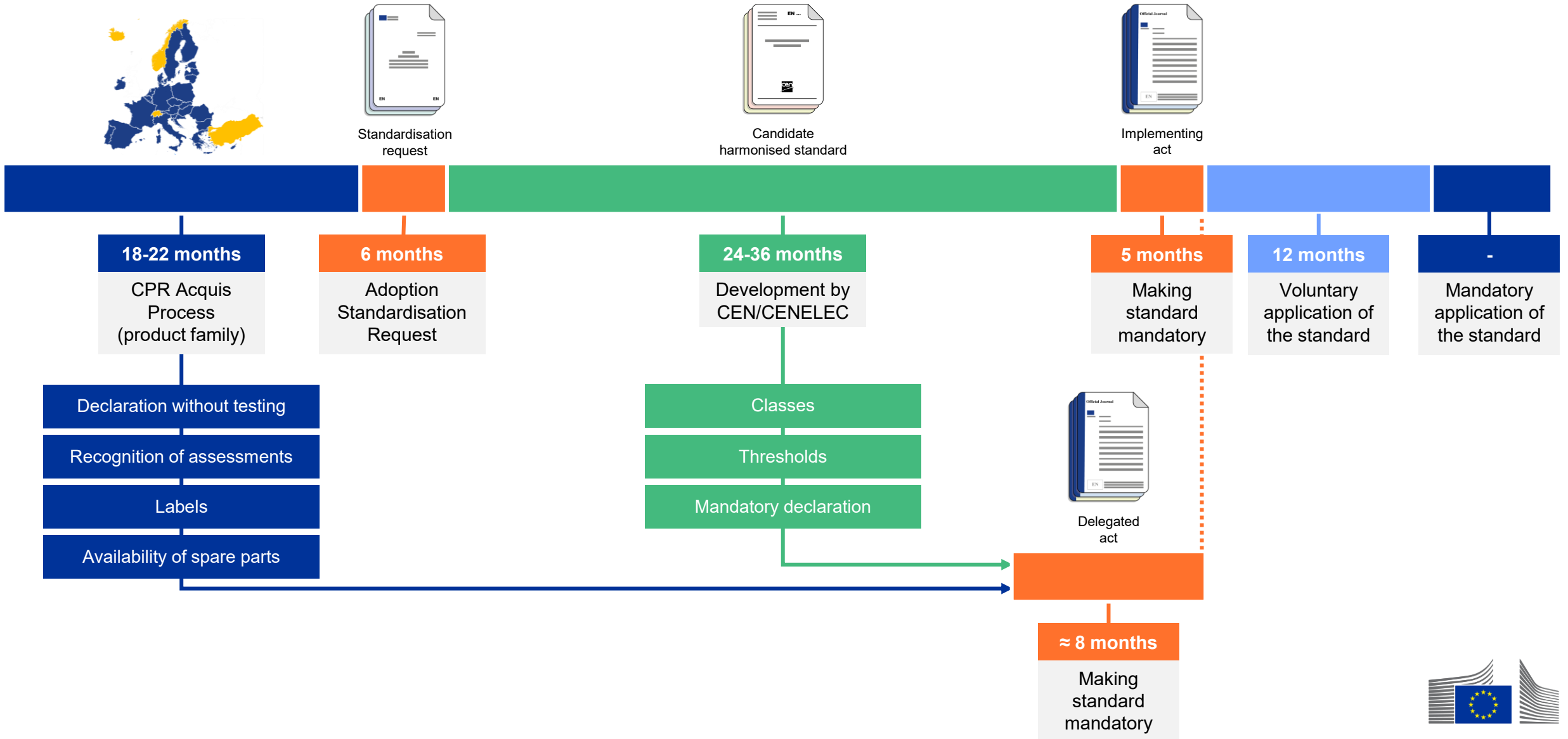


Making standard mandatory

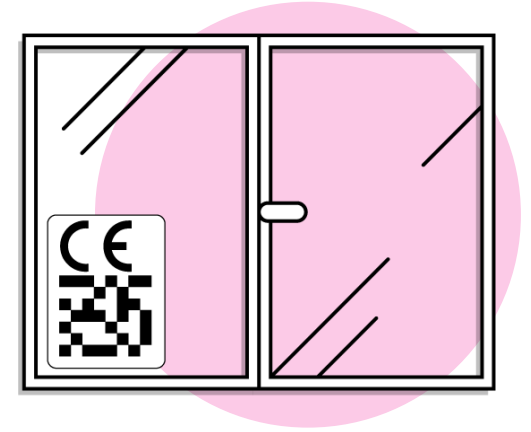
- Implementing act
- Delegated act (classes, threshold, mandatory declaration, etc.)



Harmonised standards development



CE marking meaning



Affixing the CE marking and drawing up the relevant DoPC means assuming the responsibility for the conformity of the product with the declared performance and applicable product requirements.

By affixing the CE marking, the economic operator becomes liable for the declared performance and the fulfilment of those requirements in accordance with national law on contractual and extra-contractual liability.



Article 13(2)

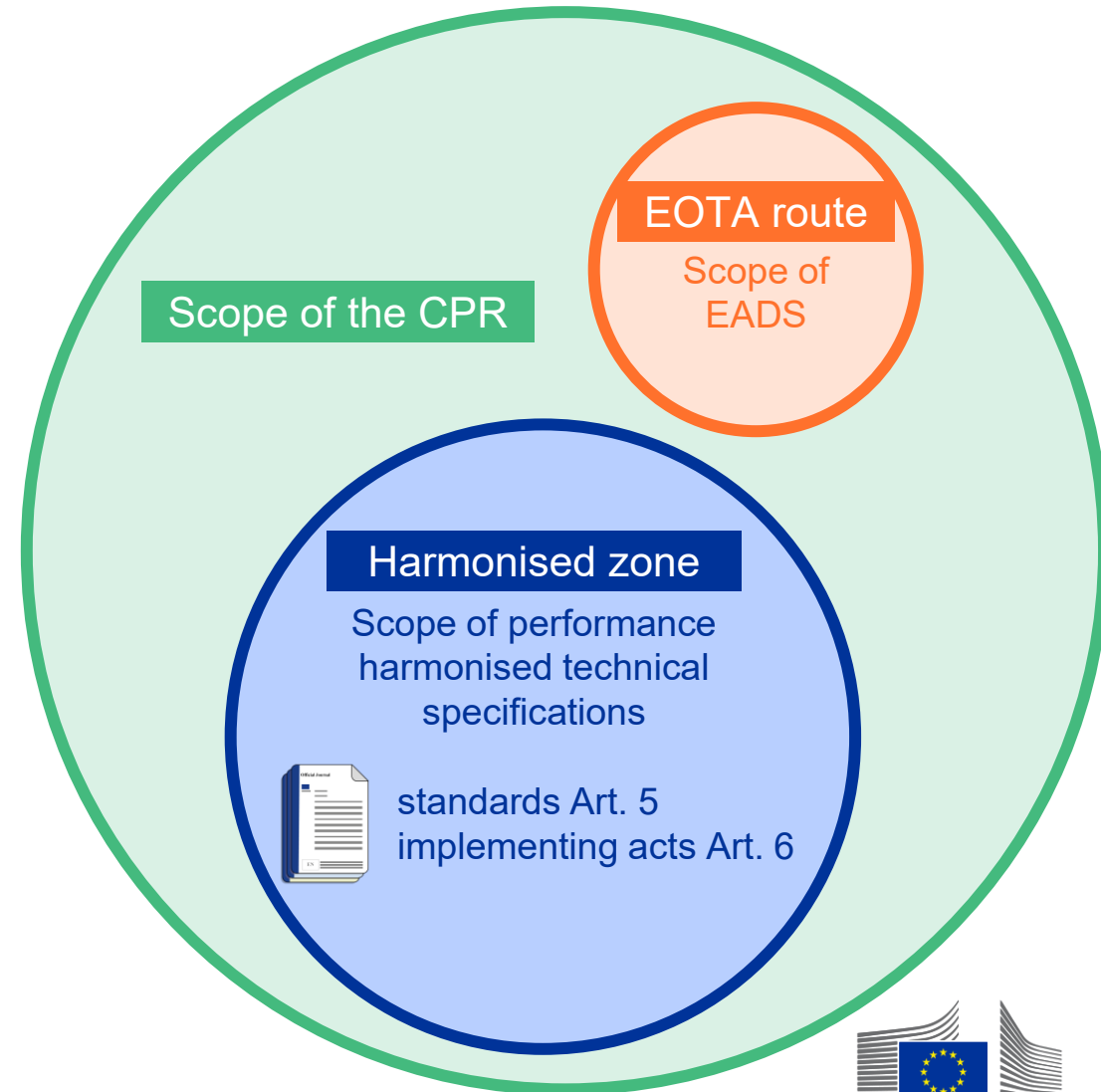


Harmonised zone

Products in the scope of a performance harmonised technical specification

Scope must be clear

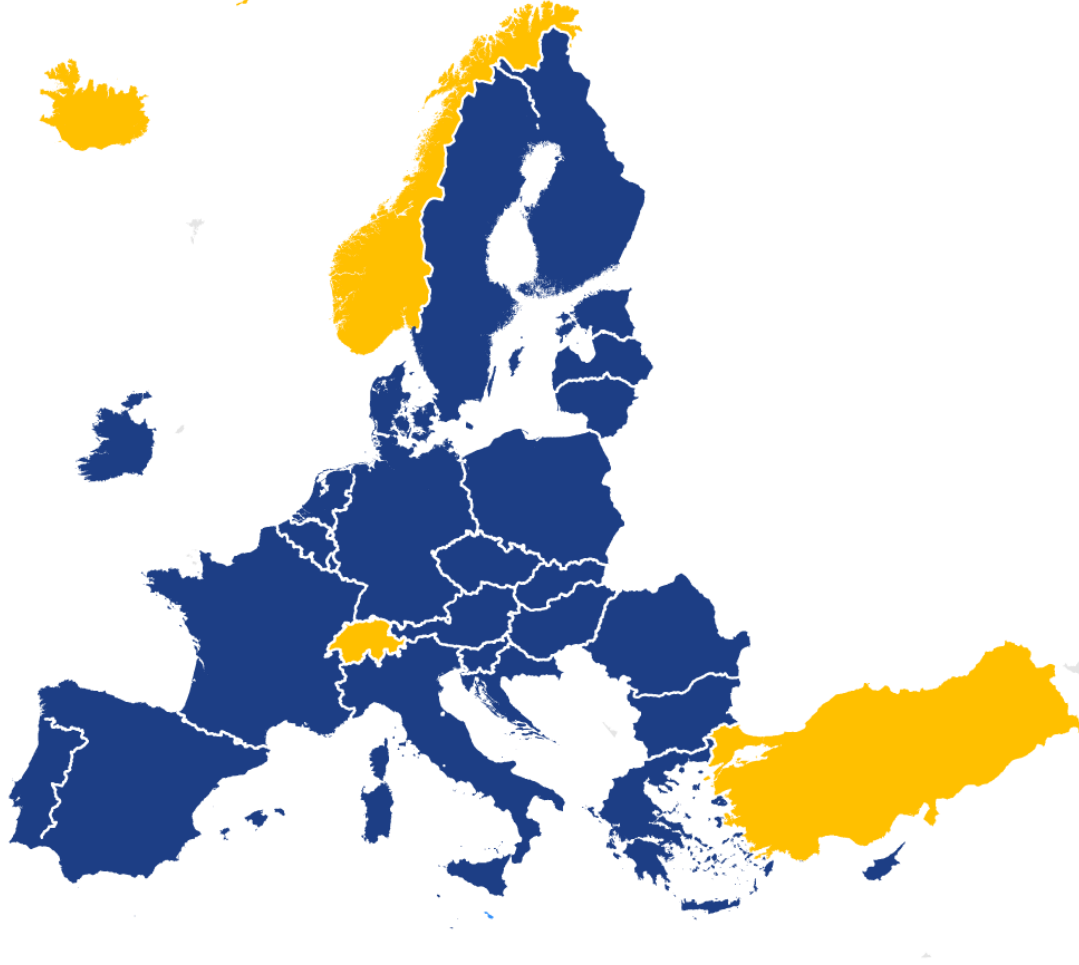
Products outside the harmonised zone can be voluntarily CE marked following the EOTA route



Article 11



For products within the harmonised zone,
Member States can...



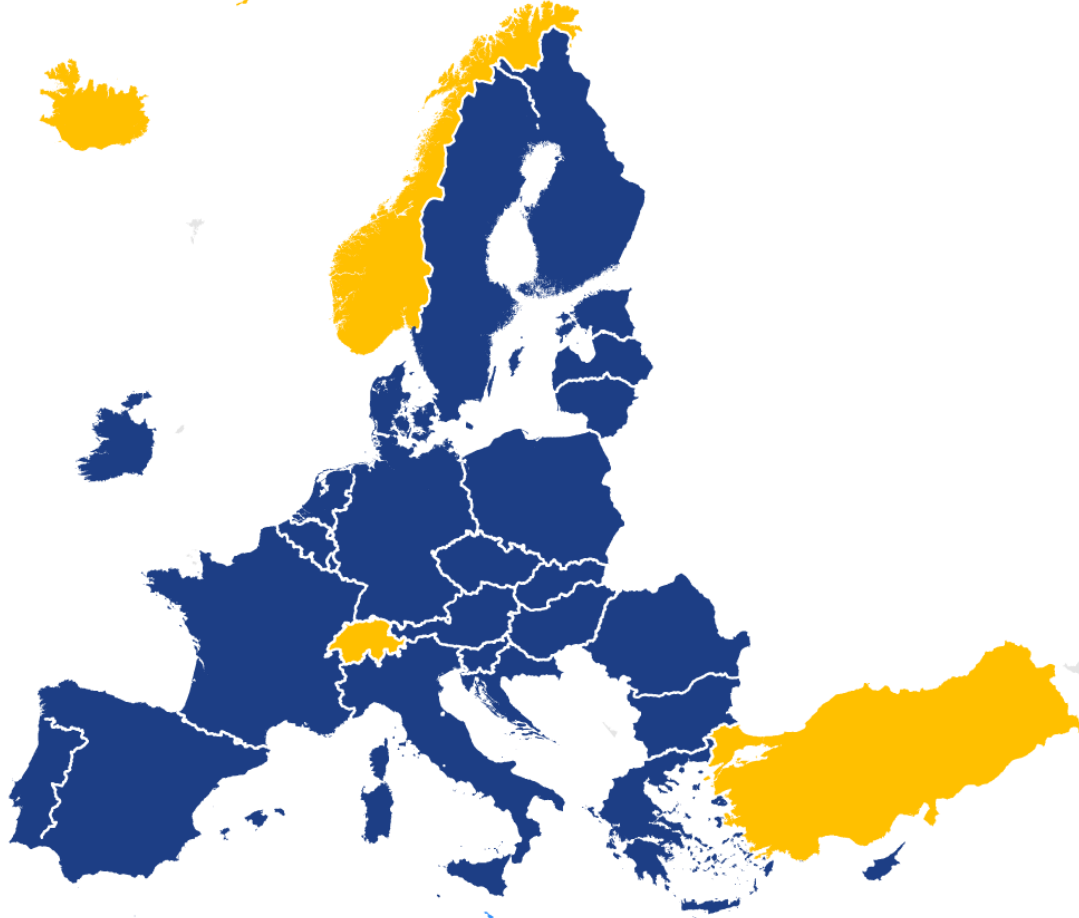
- establish minimum performances for all or certain applications
- require more ambitious thresholds
- specify national requirements for the use of products
- decide that some performances are not required



Article 11(2) & 11(3)



For products within the harmonised zone,
Member States cannot...



- require a different assessment method for the declaration
- demand different third-party tasks to those defined by the CPR
- require additional essential characteristics not included in the harmonised standard

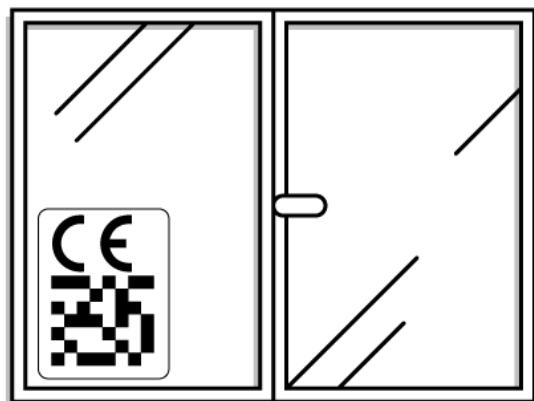


Article 11(2) & 11(3)

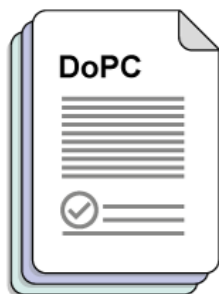


EU regulated area

Harmonised zone



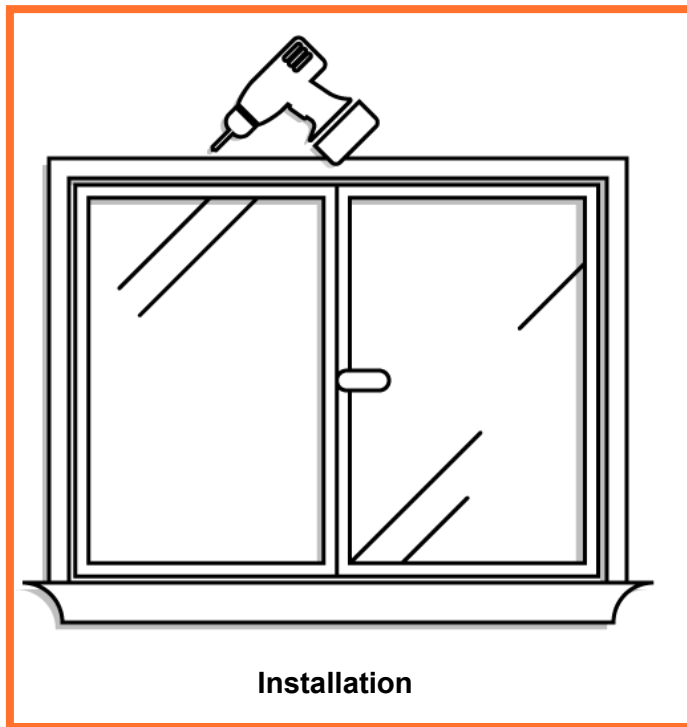
Placing on the market



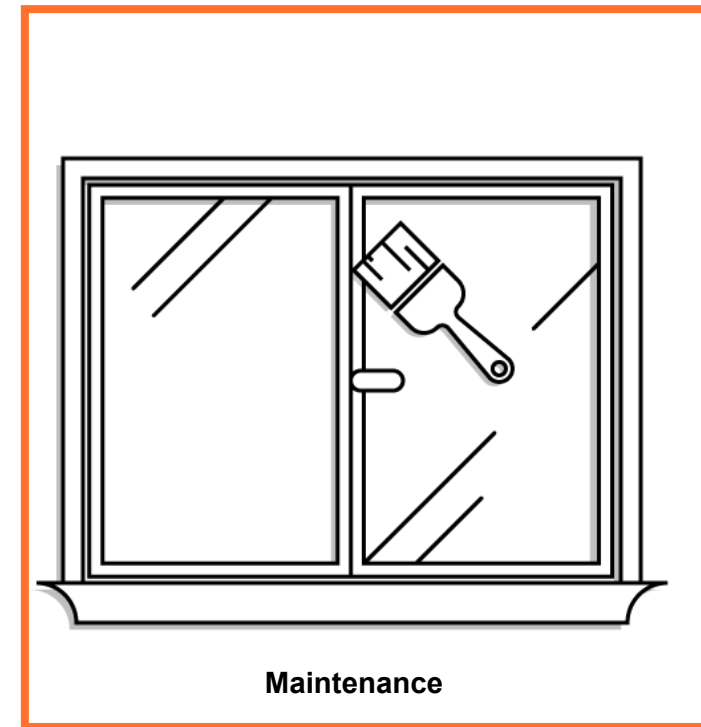
Declaration of performance
and conformity



General product information,
instructions for use and safety
information

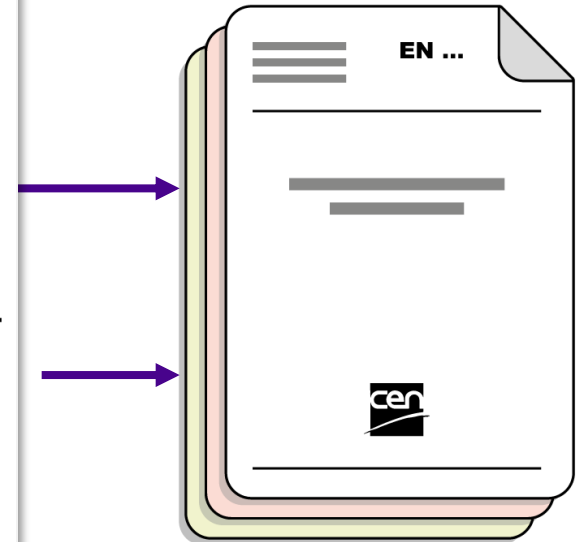
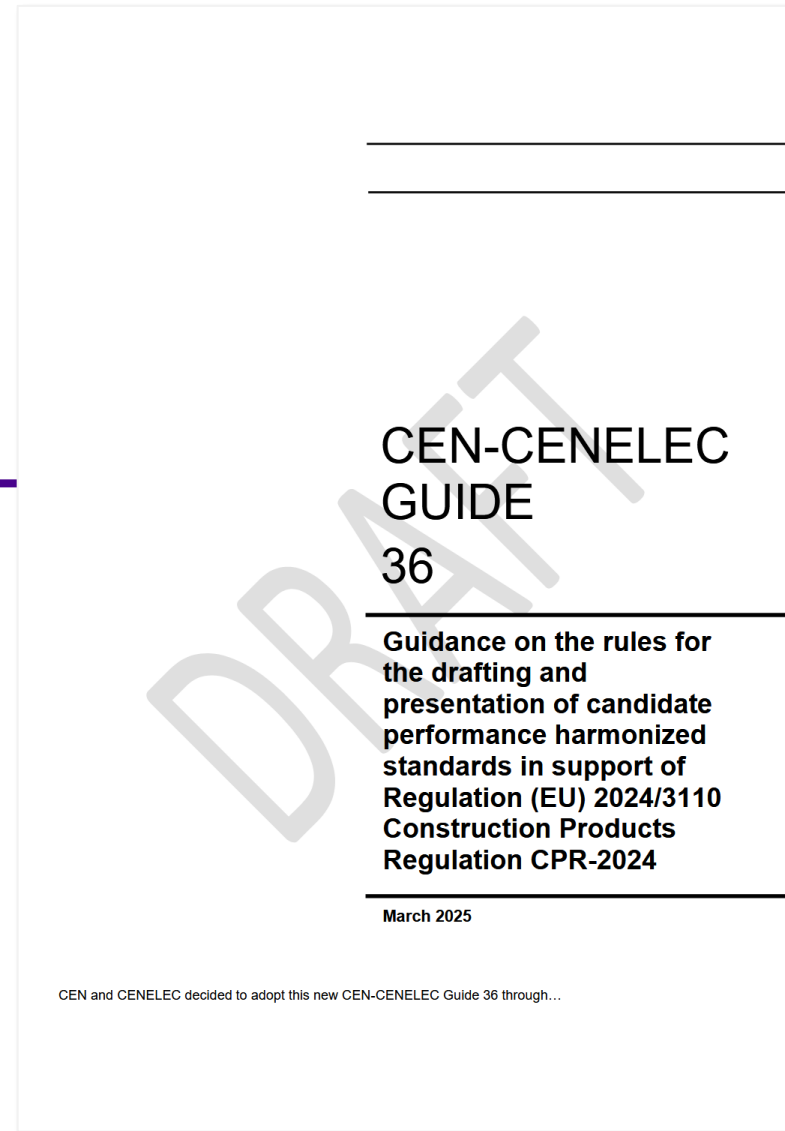
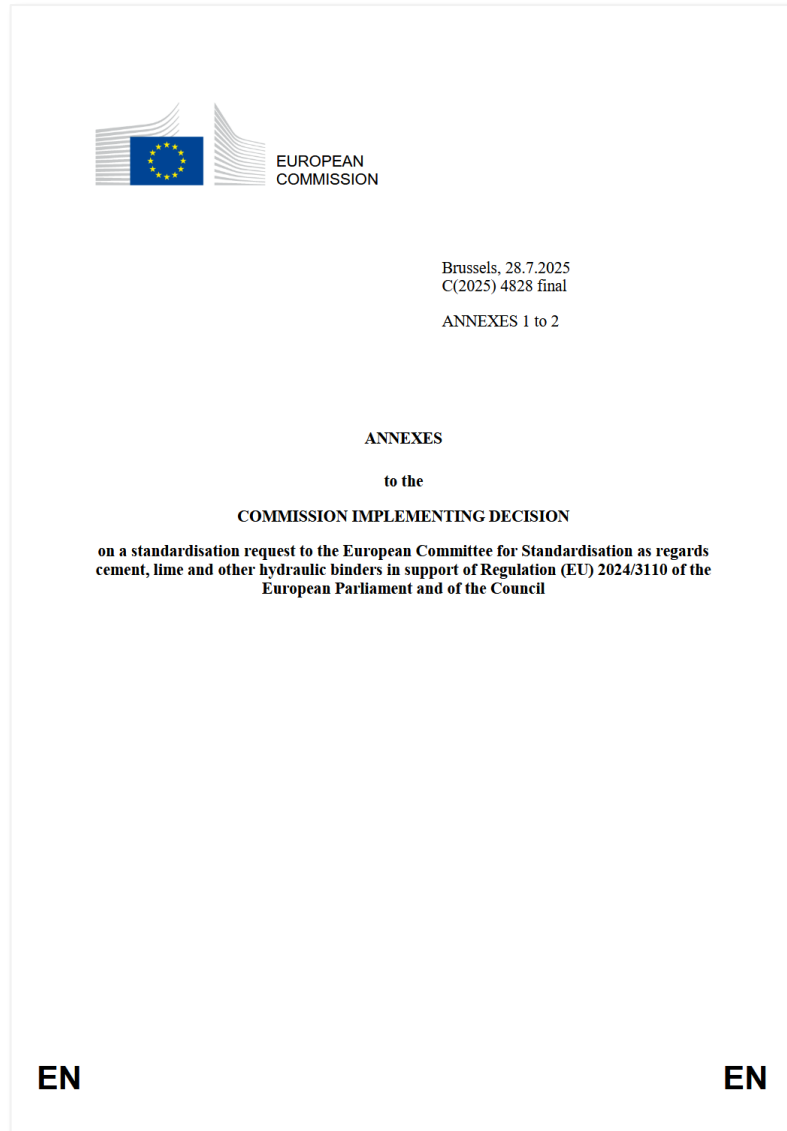


Installation



Maintenance

Essential characteristics development



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, 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 emission 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.

EN

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EN

Group	BRCW ¹	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

EN

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EN

Standardisation request



Essential characteristics development

Group	BRCW ¹	Essential characteristic	EU threshold	Class	Comments
		minimum standard compressive strength - 28 days	≥ 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).

Standardisation
request

- (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 ¹	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]
...	...	...	...	...	...	...	...	...	...	...		...

CEN Guide 36



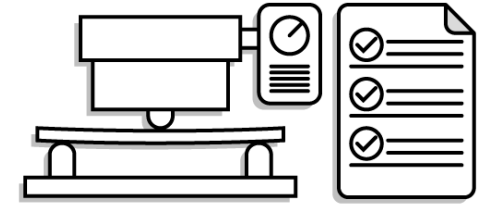
Essential characteristics development

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+	



Assessment method



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	$\geq$	classes	32.5 MPa	1+	
maximum standard compressive strength - 28 days	4.2	5.2		EN 196-1:2016		ML-1T-2	MPa	$\leq$	classes		1+	

One essential characteristic per declared value

- Test method exhaustively specified, leaving no ambiguity in testing parameters or conditions
- Different parameters may be introduced as a different essential characteristic

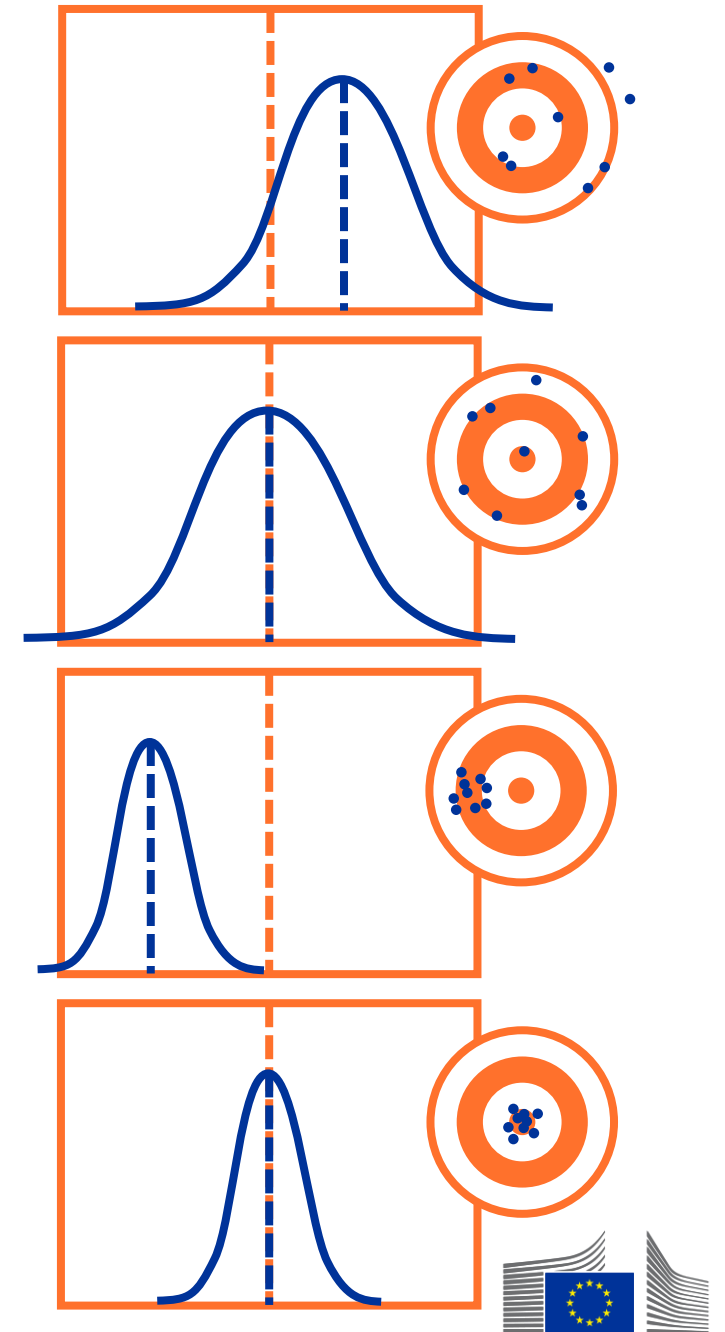
Assessment method

Fit for purpose method is appropriate for its intended use and reflects the characteristic being assessed

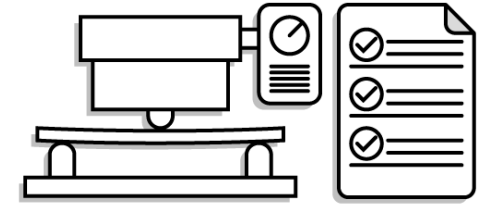
Reliable performance is demonstrated through accuracy, precision, range, detection limits, and robustness

Controlled test conditions, parameters, and equipment calibration/validation are clearly defined and maintained

Uncertainty measurement uncertainty is evaluated, documented, and taken into account in reporting



Declaration



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+	

Declare essential characteristics is voluntary unless:

- Mandatory declaration is established
- Mandatory threshold level is established
- Voluntary threshold level is established and the intended use related to it is included in the declared use



Delegated act

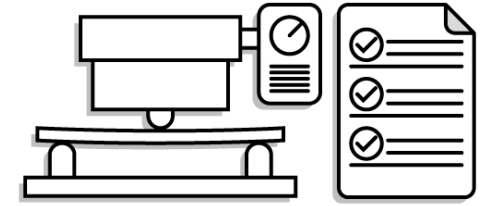


Classes

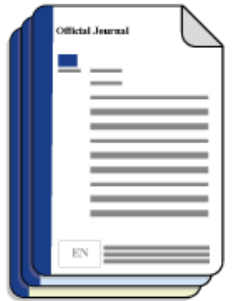
Classes

Essential characteristic	Declaration	Value
minimum standard compressive strength - 28 days	32.5	32.5 MPa
	42.5	42.5 MPa
	52.5	52.5 MPa

Essential characteristic	Declaration	Value
maximum standard compressive strength - 28 days	42.5	42.5 MPa
	52.5	52.5 MPa
	62.5	62.5 MPa



Established
when needed

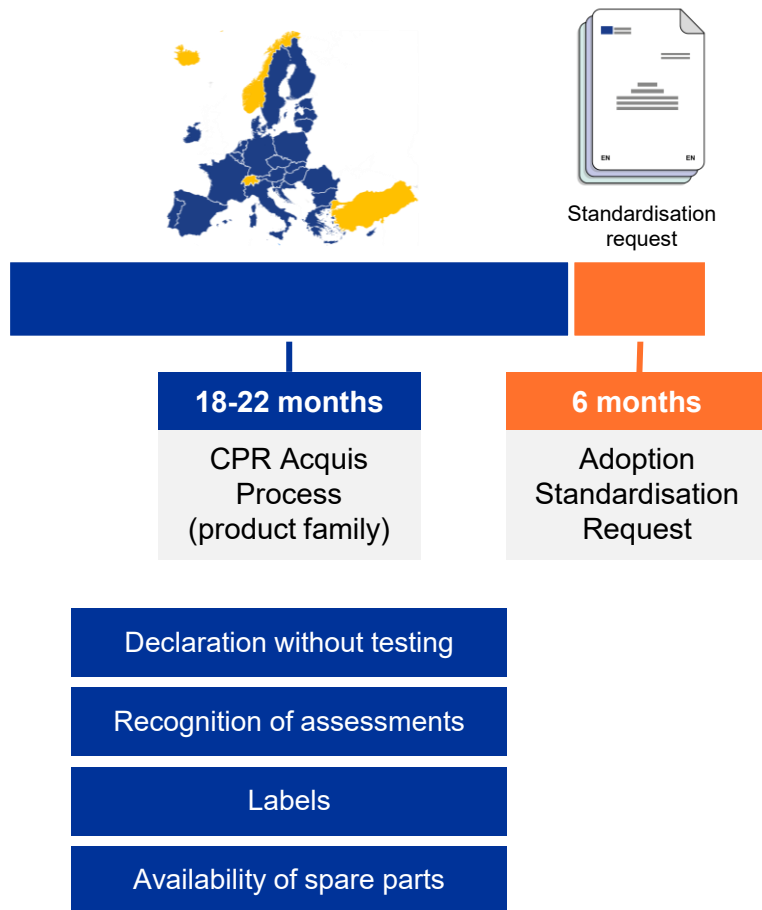


Delegated act

- Applicable if the performance is declared
- Mandatory declaration may also be established
- Threshold may also apply



Conclusions



Milestone 0 provides inputs to the CPR Acquis Subgroups on technical issues

The outcome of the discussion is transferred to a standardisation request

Same approach across materials is required to facilitate decision making and product comparison

Thank you!



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