



EU policies supporting a circular construction industry

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The EU construction industry ecosystem

- 9.6% of EU Gross Value Added (EUR 1 158 billion)
- 25 million jobs, 5.3 million firms
- 37.5% of waste generated (2020)
- Half of resources extracted
- Buildings: 40% of energy consumed



Transition pathway for Construction

Transition Pathway (March 2023):

<https://ec.europa.eu/docsroom/documents/53854>

- Co-created with industry, Member States and other stakeholders
- A vision for the green and digital transition
- Recommendations of concrete action

Call for new commitments aligning with the Transition Pathway:

[https://ec.europa.eu/eusurvey/runner/TransitionPathwayConstruction Commitments](https://ec.europa.eu/eusurvey/runner/TransitionPathwayConstruction_Commitments)

What is the new Construction Products Regulation?

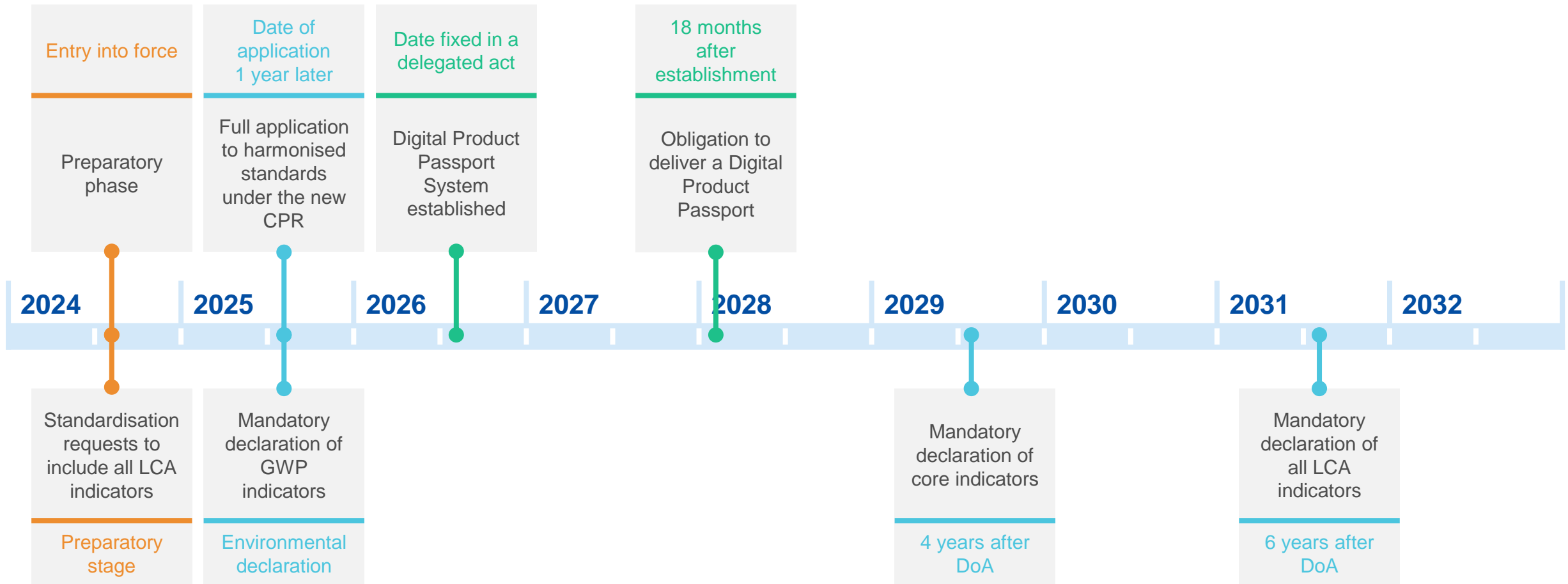
Harmonised rules for the marketing of construction products

- Single market
- Free movement of products (CE marking)
- Common technical language: functionality, safety and environment
- Digital Product Passport

National Building Codes

- Construction works

Construction Products Regulation: timeline of new provisions



Product requirements

- A performance declaration combined with a mandatory threshold is better than establishing a requirement:
 - » Performance allows more ambitious requirements by Member States and manufacturers
 - » Performance allows a more detailed declaration instead of pass/fail

	Approach	Assessment method	Threshold	Declaration in the declaration of performance and conformity
Performance + threshold	Essential characteristic: Recycled content	Defined in a mandatory harmonised standard	EU level: 25%	Recycled content: 45%
Requirement	Minimum recycled content of the product	Defined in a voluntary harmonised standard	EU level: 25%	Fulfill minimum recycled content



Product requirements

Functionality

use of specific materials which can be specified also in terms of their chemical composition

specific dimensions and shapes of products or their components

use of certain components which can be specified also in terms of materials, dimensions and shapes

use of certain accessories and requirements for them

ease of installation and deinstallation

ease of maintenance or the lack of maintenance required for the expected life span

characteristics of the product, including its cleanability, scratch resistance and break resistance, under usual operation conditions

Safety

chemical risks due to leaking or leaching

risk of unbalanced composition in terms of substances resulting in flawed, safety-relevant functioning of products

mechanical risks

mechanical failure

physical failure

risks of electric failure

risks linked to electricity supply breakdown

risks linked to unintended charge or discharge of electricity

risks linked to software failure

risks of software manipulation

risks of incompatibility of substances or materials

risks linked to the incompatibility of different items, at least one of them being a product

risk of not performing as intended, where the performance is safety relevant

risk of misunderstanding instructions for use in a field affecting health and safety

risk of unintended inappropriate installation or use

risk of intended inappropriate use

Environment

maximising durability and reliability of the product or its components as expressed through a product's technical lifetime indication of real use information on the product, resistance to stress or ageing mechanisms and in terms of the expected average life span, the minimum life span under worst but still realistic conditions, and in terms of the minimum life span requirements and prevention of premature obsolescence

minimising life-cycle greenhouse gas emissions

maximising reused, recycled and by-product content

selection of safe, sustainable-by-design, and environmentally benign substances

energy use and energy efficiency

resource efficiency

modularity

identifying which product or parts thereof and in what quantity can be reused after de-installation (reusability), and in what quantities

upgradability

ease of reparability during the expected life span, including compatibility with commonly available spare parts

ease of maintenance and refurbishment during the expected life span

recyclability and the capability to be remanufactured

capability of different materials or substances to be separated and recovered during dismantling or recycling procedures

sustainable sourcing

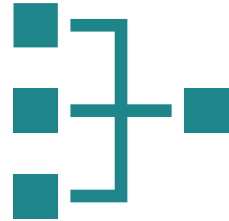
minimising the product-to-packaging ratio

amounts of waste generated, notably hazardous waste

Information aspects to be covered



Safety during transport, installation, deinstallation, maintenance, deconstruction and demolition



Compatibility and integration into systems or kits



Maintenance needs with a view to maintaining the performance of the product during its service life span



Safety during use



Training and other requirements necessarily to be fulfilled for safe use

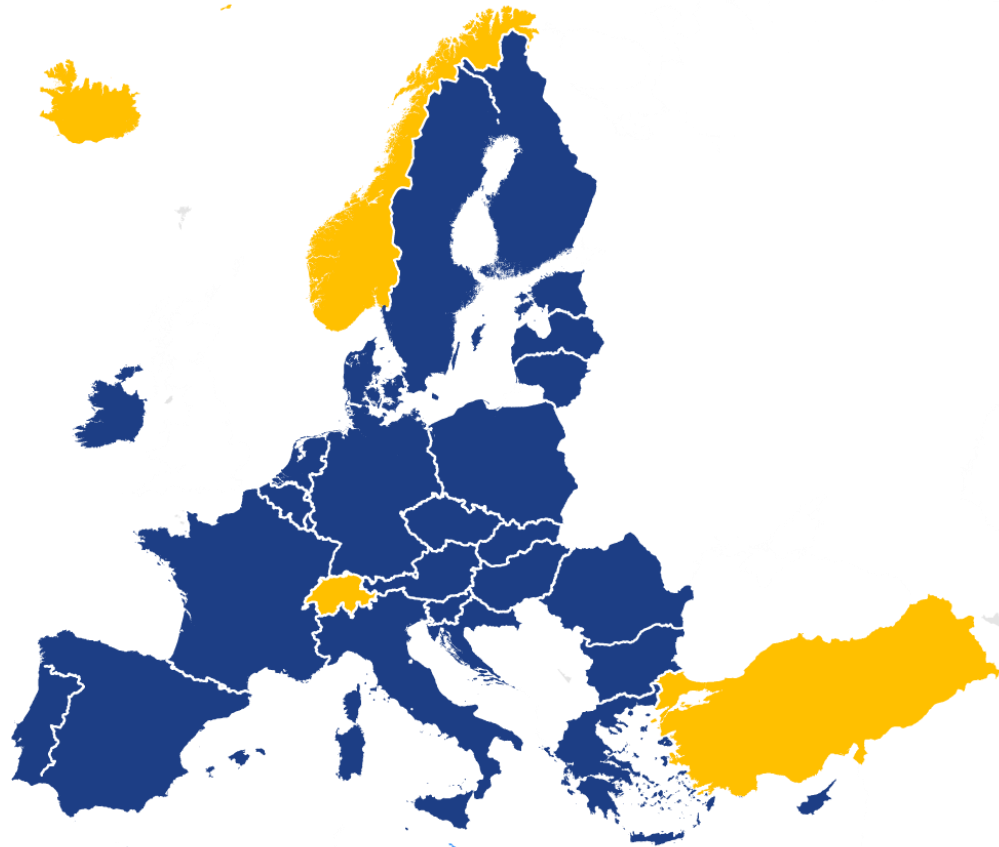


Risk mitigation



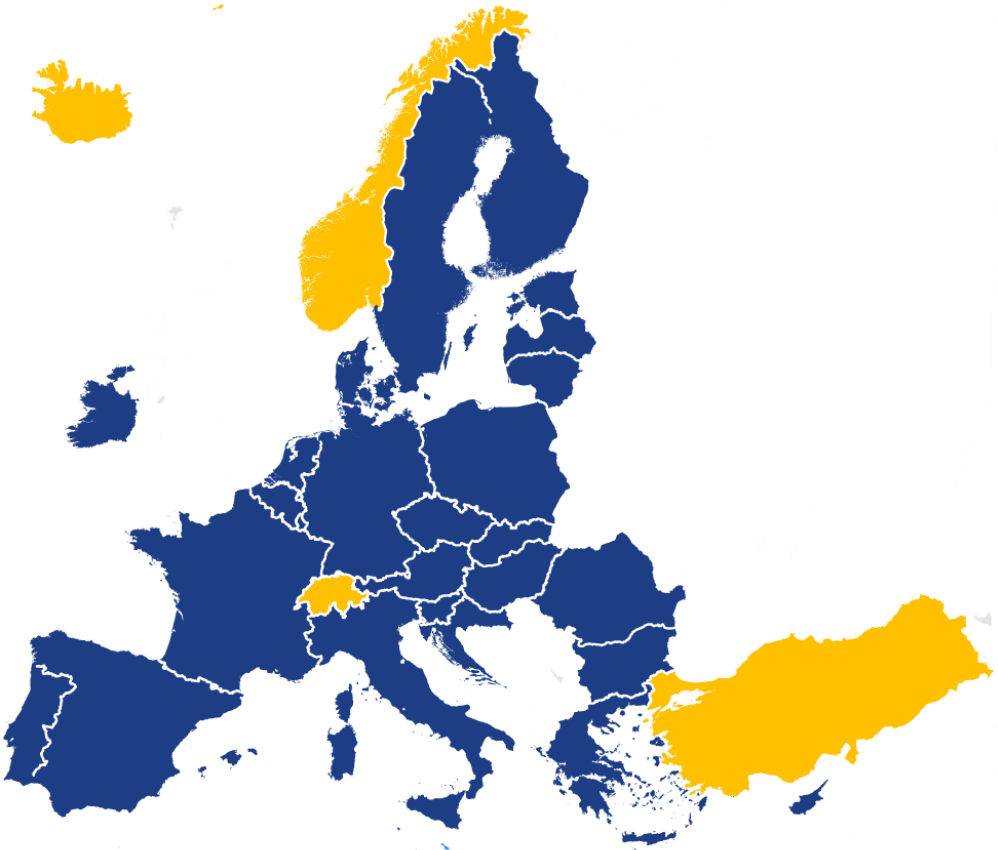
Recommendations for a product's end of life

Member States can...



- Establish minimum performances for all or certain applications
- Require more ambitious performance thresholds
- Establish take back obligations for unused products

Member States cannot...



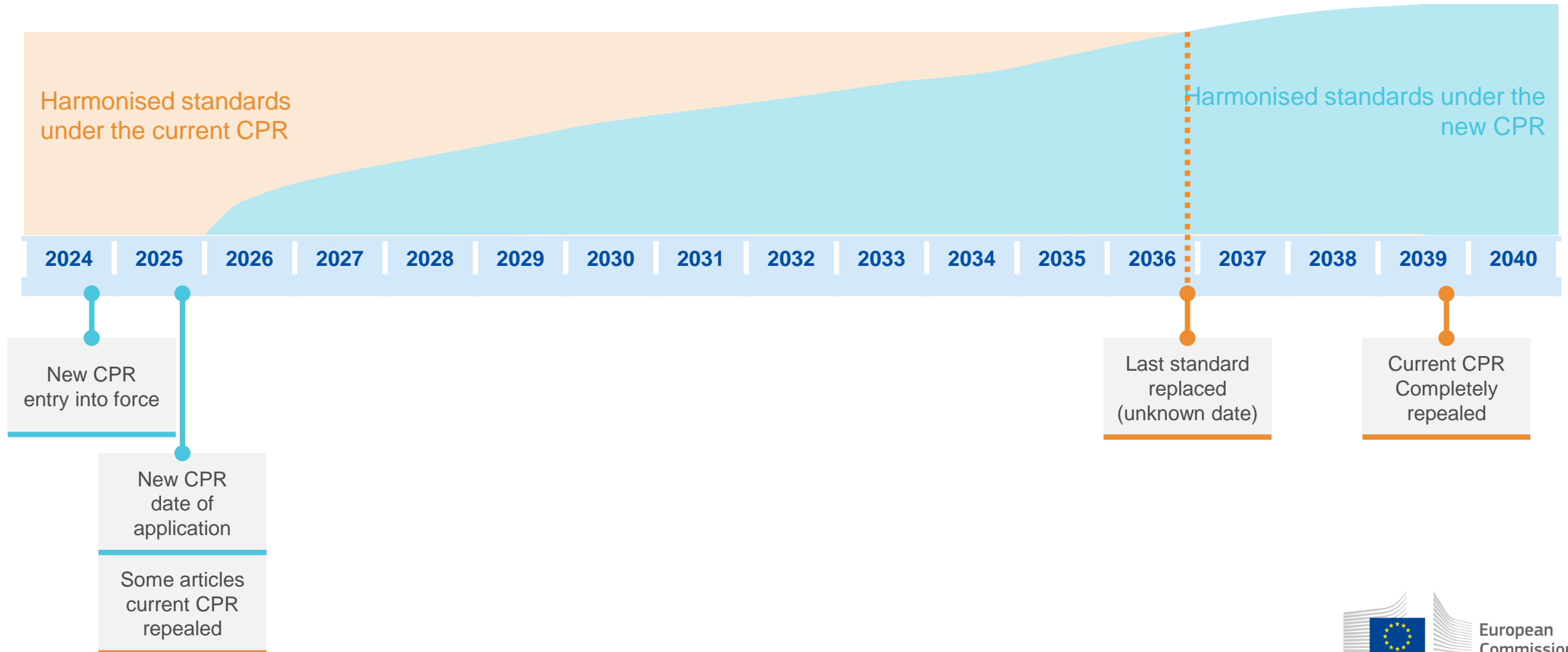
- Establish a different assessment method for the declaration
- Demand different third-party tasks to those defined by the CPR
- Require additional essential characteristics not included in the harmonised standard
- Request fulfilment of additional/stricter product requirements

CPR Acquis Expert Groups – current priorities

Category	Priority 1	Priority 2	Priority 3	Priority 4	Priority 5	Priority 6	Priority 7	Priority 8	Priority 9	Priority 10	Priority 11	Priority 12	Priority 13	Priority 14	Priority 15	Priority 16	Priority 17	Priority 18	Priority 19	Priority 20	Priority 21	Priority 22	Priority 23	Priority 24	Priority 25	Priority 26	Priority 27	Priority 28	Priority 29	Priority 30	Priority 31	Priority 32	Priority 33	Priority 34	Priority 35			
Fire	1	20	16	2	15	4	13	4	17	9	5	7	6	13	9	26	14	17	25	6	32	34	33	35	29	36												
	17	24	10	10	19	4	4	13	4	23	10	27	22	12	21	21	22	11	3	30	3	35	29	36														
Dangerous substances	2	15	4	13	4	17	9	5	7	26	14	17	25	6	13	9	26	14	17	25	6	32	34	33	35	29	36											
	20	24	10	10	19	4	4	13	4	23	10	27	22	12	21	22	11	3	30	3	35	29	36															
Environmental sustainability	3	15	4	13	4	17	9	5	7	26	14	17	25	6	13	9	26	14	17	25	6	32	34	33	35	29	36											
	16	20	10	10	19	4	4	13	4	23	10	27	22	12	21	22	11	3	30	3	35	29	36															

- Horizontal subgroups
- Standardisation request discussed
- CPR Acquis ongoing work
- Other subgroups Fast track possible
- Other subgroups Fast track not possible
- Fast track ongoing
- Priority

CPR timeframe – harmonised standards





Background data collection for future EU end-of-waste criteria of Construction and Demolition Waste

Final Report

End-of-waste status: construction and demolition waste

- Study Final Report:
<https://op.europa.eu/en/publication-detail/-/publication/89a1cfe5-60fd-11ef-a8ba-01aa75ed71a1/language-en>
- 26 September 2024: kick-off
'Development of EU-wide harmonised
End-of-Waste criteria for inert
construction and demolition waste'



EU Construction & Demolition Waste Management Protocol

including guidelines for
pre-demolition and pre-renovation audits
of construction works

Updated edition 2024

New guidance published:

<https://op.europa.eu/en/publication-detail/-/publication/d63d5a8f-64e8-11ef-a8ba-01aa75ed71a1>

Thank You! Merci! Gracias! Diolch!

https://single-market-economy.ec.europa.eu/sectors/construction_en

 EU Construction Ecosystem



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