

Symposium zur EU-Bauproduktenverordnung

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Anforderungen an Bauwerke und ihre Konsequenzen für Produkteigenschaften und – informationen

*Requirements for construction
works and the consequences for
product related characteristics and
information*



EU2022.CZ

2018	Bulgarien	Österreich
2019	Rumänien	Finnland
2020	Kroatien	Deutschland
2021	Portugal	Slowenien
2022	Frankreich	Tschechien
2023	Schweden	Spanien
2024	Belgien	Ungarn
2025	Polen	Dänemark
2026	Zypern	Irland
2027	Litauen	Griechenland
2028	Italien	Lettland
2029	Luxemburg	Niederlande
2030	Slowakei	Malta

Dobrý den



Guten Tag



God dag



Entwurf zur neuen Bauproduktenverordnung / Next generation CPR - draft



EUROPEAN
COMMISSION

Brussels, 30.3.2022
COM(2022) 144 final
2022/0094 (COD)

Proposal for a

REGULATION OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL

laying down harmonised conditions for the marketing of construction products,
amending Regulation (EU) 2019/1020 and repealing Regulation (EU) 305/2011

(Text with EEA relevance)

{SEC(2022) 167 final} - {SWD(2022) 87 final} - {SWD(2022) 88 final} -
{SWD(2022) 89 final}



EUROPEAN
COMMISSION

Brussels, 30.3.2022
COM(2022) 144 final
ANNEXES 1 to 7

ANNEXES

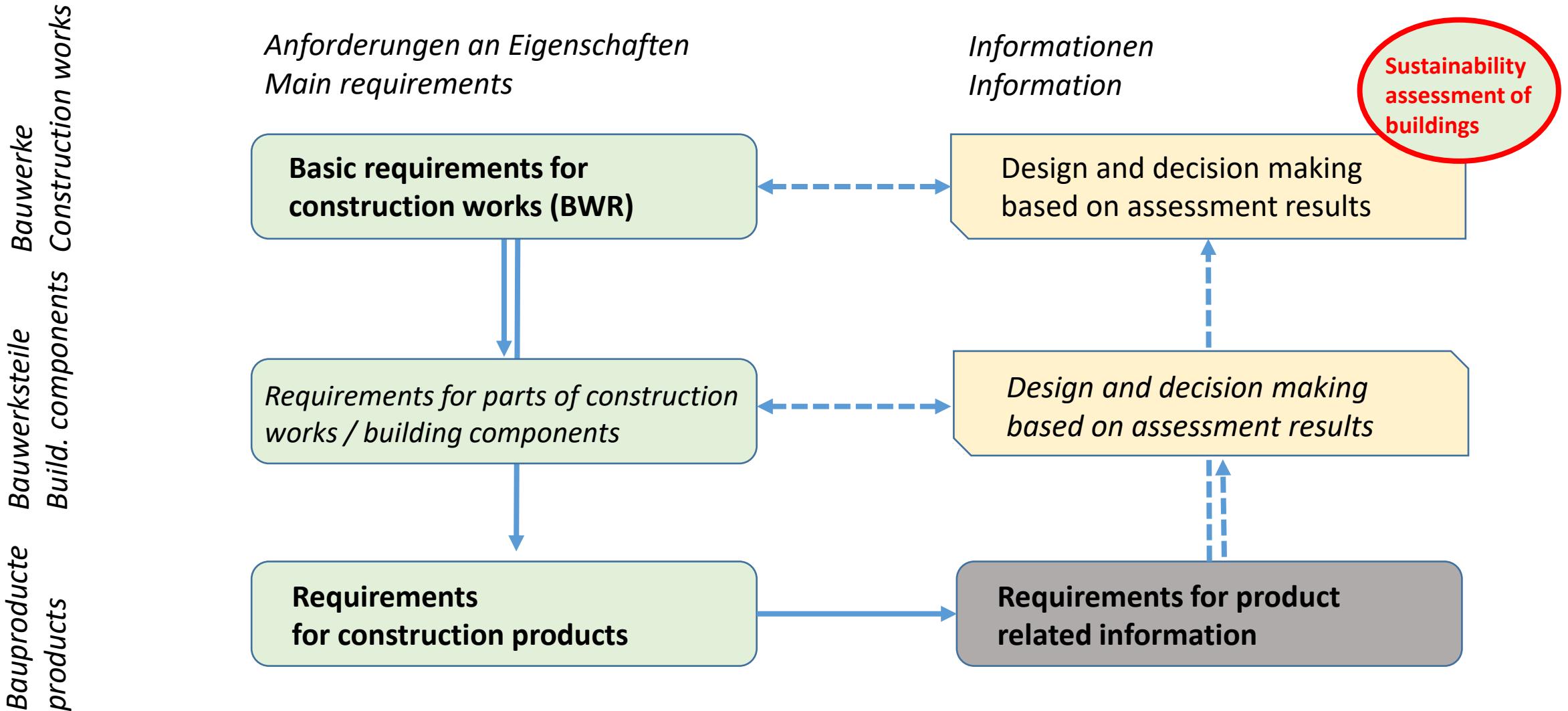
to the

Proposal for a Regulation of the European Parliament and of the Council

laying down harmonised conditions for the marketing of construction products,
amending Regulation (EU) 2019/1020 and repealing Regulation (EU) 305/2011

{SEC(2022) 167 final} - {SWD(2022) 87 final} - {SWD(2022) 88 final} -
{SWD(2022) 89 final}

CPR: Grundkonzept / main structure of ANNEX



Anforderungen an Bauwerke / Basic requirements for construction works

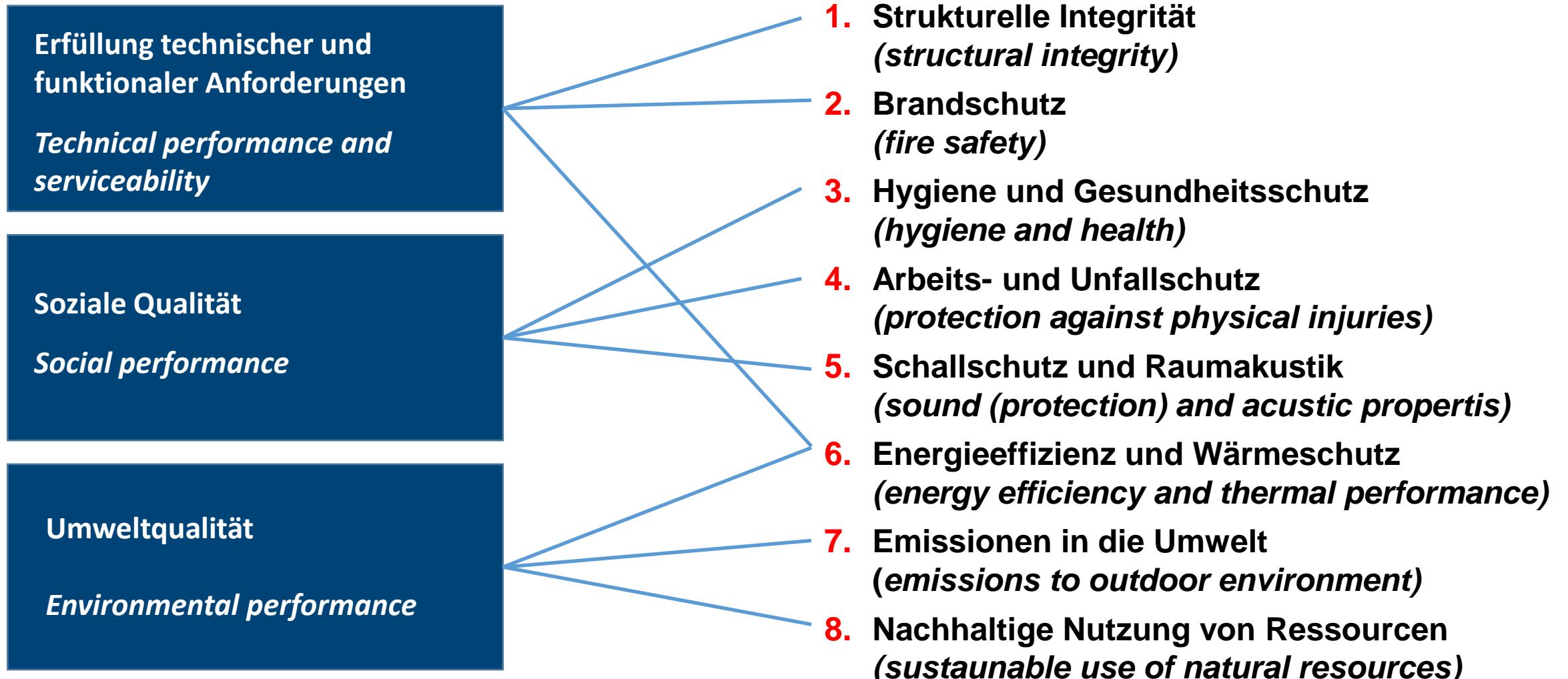
- 1. Strukturelle Integrität (Tragfähigkeit, ...)**
- 2. Brandschutz**
- 3. Hygiene und Gesundheitsschutz bei Arbeitern, Verbrauchern und Nutzern**
- 4. Arbeits- und Unfallschutz bei Arbeitern, Verbrauchern und Nutzern**
- 5. Schallschutz und Raumakustik**
- 6. Energieeffizienz und Wärmeschutz**
- 7. Emissionen in die Umwelt**
- 8. Nachhaltige Nutzung von Ressourcen**

COM 144

- 1. Structural integrity of construction works**
- 2. Fire safety of construction works**
- 3. Workers, consumer and occupant protection against adverse **hygiene and health** impacts related to construction works**
- 4. Workers, consumers and occupants **protection against physical injuries** of construction works**
- 5. Resistance to the passage of **sound and acoustic properties** of construction works**
- 6. Energy efficiency and thermal performance of construction works**
- 7. Hazardous **emissions into the outdoor environment** of construction works**
- 8. Sustainable use of natural resources of construction works**

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BWR: Optionen einer Umstrukturierung / proposal for alternative structure



Spezifische Anforderungen / specific requirements I

gebäudebezogen

building related

The construction works and any part of them shall be designed, constructed, used, maintained and demolished in such a way that, throughout their life cycle, they are not a threat to the outdoor environment, as a result of ... the release of **net greenhouse gas emissions** into the atmosphere.

produktbezogen

product related

Inherent product environmental requirements:
Environment relates to the extraction and manufacturing of the materials, the manufacturing of the product, its maintenance, its potential to remain as long as possible within a circular economy and its end of life phase.
Products shall be designed, manufactured, and packaged in such a way that the following inherent product environmental aspects are addressed in accordance with the state of the art: **minimising whole-life-cycle greenhouse gas emissions**

Spezifische Anforderungen / specific requirements I

gebäudebezogen

building related

The construction works and any part of them shall be designed, constructed, used, maintained and demolished in such a way that, throughout their life cycle, the use of natural resources is sustainable and ensures

- ...
- minimizing the overall amount of **raw materials** used
- minimizing the overall amount of **embodied energy**
- ...

produktbezogen

product related

Inherent product environmental requirements:
Environment relates to the extraction and manufacturing of the materials, the manufacturing of the product, its maintenance, its potential to remain as long as possible within a circular economy and its end of life phase.

Products shall be designed, manufactured, and packaged in such a way that the following inherent product environmental aspects are addressed in accordance with the state of the art:...., **resource efficiency**, ...

Spezifische Dokumente / related documents

Bauwerke

Construction works

- Gebäudepass / Hausakte
- Energieausweis
- Material-Inventar
- Gebäudebezogener Fußabdruck
- *Building passport / digital logbook*
- *Energy performance certificate*
- *Bill of materials / bill of quantities*
- *Building related carbon footprint*

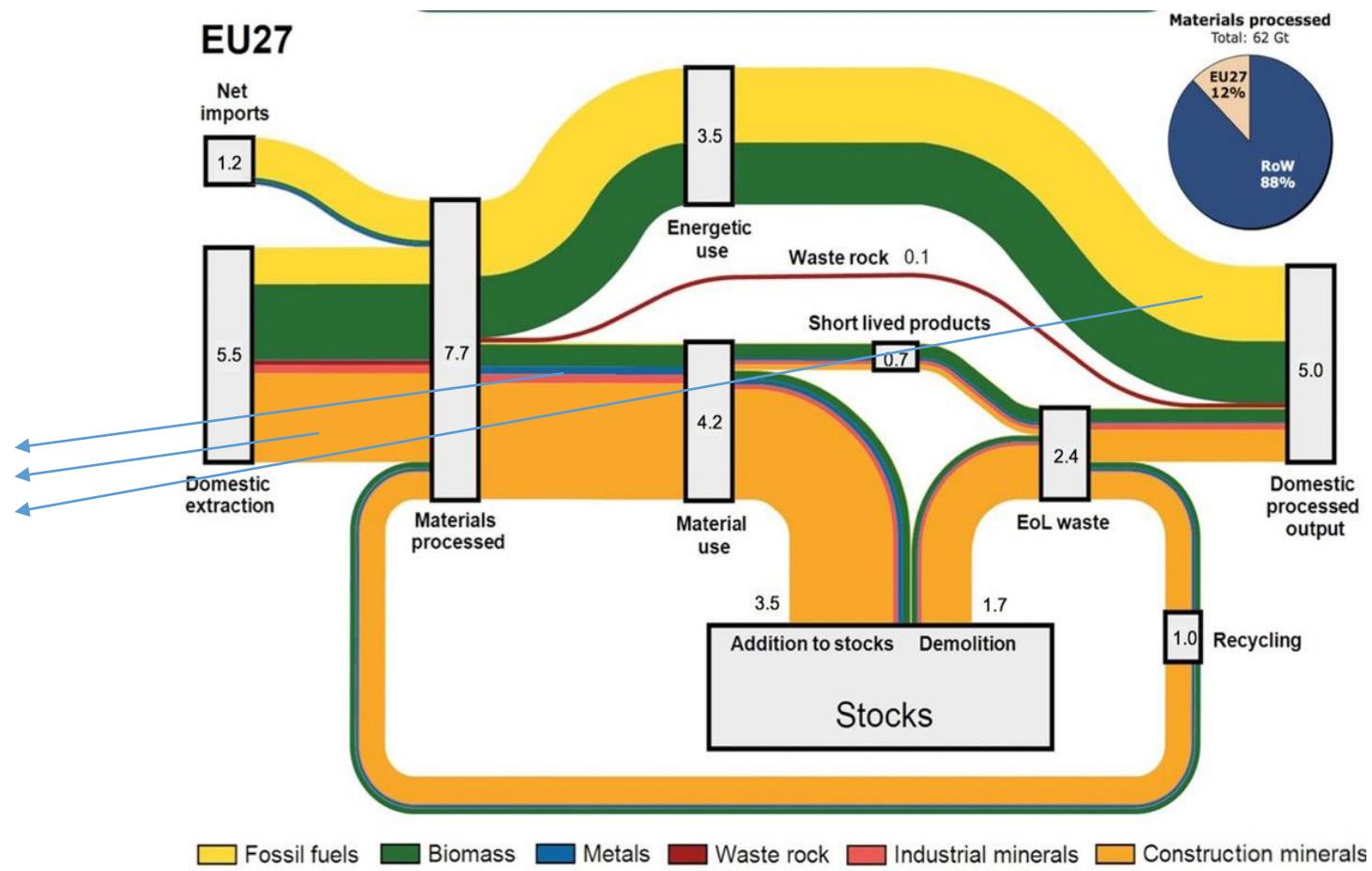
Bauproducte

Construction products

- Digitaler Produktpass
- Leistungserklärung
- Konformitätserklärung
- Umweltproduktdeklaration
- Produktbezogener Fußabdruck
- *Digital product passport (DPP)*
- *Declaration of performance (DoP)*
- *Declaration of conformity (DoC)*
- *Environmental propduct declaration (EPD)*
- *Product carbon footprint*

Kriterien für die Ökobilanz / characteristics related to life cycle assessment

- a) climate change effects (mandatory);
- b) ozone depletion;
- c) acidification potential;
- d) eutrophication aquatic freshwater;
- e) eutrophication aquatic marine;
- f) eutrophication terrestrial;
- g) photochemical ozone
- h) abiotic depletion – minerals, metals;**
- i) abiotic depletion – fossil fuels;**
- j) water use;
- k) particulate matter;
- l) ionizing radiation, human health;
- m) eco-toxicity, freshwater;
- n) human toxicity, cancer;
- o) human toxicity, non-cancer;
- p) land use related impacts“



<https://onlinelibrary.wiley.com/doi/full/10.1111/jiec.12244>

Empfehlungen / Recommendations

- Stärkere Orientierung der Struktur der Grundanforderungen an Bauwerke an EN 15643 und EN 15978 (technische, soziale, ökologische Aspekte)
- Orientierung der Inhalte einer Ökobilanz für Bauprodukte an EN 15804 A2
- Ersatz/Ergänzung der Informationen zum APD mineral und APD fossil durch Angaben zum kumulierten Rohstoffaufwand, getrennt nach Biomasse, mineralische Rohstoffe, Erze, fossile Energieträger
- *Stronger orientation of the structure of the basic requirements for buildings to EN 15643 and EN 15978 (technical, social, environmental aspects)*
- *Orientation of the content of a life cycle assessment for building products to EN 15804 A2*
- *Replacement/complementing the information on APD mineral and APD fossil with information on the cumulative use of raw materials, separated according to biomass, mineral raw materials, ores, fossil fuels*