

PROPOSITION : SCOPE OF LIFE-CYCLE STAGES

EN15978:2012	prEN15978:2024	Life-cycle stage
A1: Raw material supply	A1: Extraction and upstream production	Required
A2: Transport	A2: Transport to factory	Required
A3: Manufacturing	A3: Manufacturing	Required
A4: Transport	A4: Transport to site	Required
A5: Construction installation process	A5: Construction installation process A5.1: Pre-construction demolition A5.2: Construction activities A5.3: Waste and waste management A5.4: Transport of construction workers	Required. Member States shall exclude pre-construction demolition, preliminary activities to prepare the site, and transport related to construction workers from the calculation. If pre-construction demolition or preliminary activities to prepare the site or transport related to construction workers is calculated, it shall be reported as a separate indicator.
B1: Use	B1: Use B1.1: Emissions from materials and carbonation B1.2: Fugitive emissions of refrigerants	Required. Member States may choose to limit the calculation to only fugitive emissions of refrigerants.
B2: Maintenance	B2: Maintenance	Required
B3: Repair	B3: Repair	Optional
B4: Replacement	B4: Replacement of building components	Required
B5: Refurbishment	B5: Refurbishment	Optional
B6: Operational energy use	B6: Operational energy use B6.1: Regulated building-integrated systems (services). B6.2: Non-regulated building-integrated systems (services) B6.3: Other energy use related to building user activities	Required. Member States may choose to limit the calculation to only regulated building-integrated systems (services). The calculation of this module should be consistent with the calculation of operational greenhouse gas emissions, in accordance with the common general framework set out in Annex I, which provides a

		comprehensive methodology for calculating energy-related emissions.
B7: Operational water use	<p>B7: Operational water use</p> <p>B7.1: Essential building-integrated systems (toilets, showers, bathrooms, heating, cooling, ventilation, humidification, and irrigation)</p> <p>B7.2: Other building-integrated systems (swimming pools, saunas etc.).</p> <p>B7.3: Non-building-integrated systems (e.g. dishwashers, washing machines etc.).</p>	Optional
	<p>B8: Building integrated users' activities, not covered in B1-B7</p> <p>B8.1: Transport of persons to and from the building.</p> <p>B8.2: Charging of electric vehicles within the building site</p> <p>B8.3: Others, such as use of "consumables" like paper for offices, or furniture and equipment not fixed to the building.</p>	Optional
C1: Deconstruction	C1: Deconstruction / Demolition	Required
C2: Transport	C2: Transport to waste processing or disposal	Required
C3: Waste processing for reuse, recycling and/or recovery	C3: Waste processing for reuse, recycling and/or recovery	Required
C4: Disposal	C4: Disposal of waste	Required
D: Benefits and loads beyond the system boundary	<p>D: Benefits and loads beyond the system boundary</p> <p>D1.1: Reuse</p>	Required

	D1.2: Recycling D1.3: Energy recovery D2: Potential benefits and loads from exported utilities (e.g. electrical energy, thermal energy, potable water).	
--	---	--