

# DIN EN ISO 22057:2022-09 (E)

## Sustainability in buildings and civil engineering works - Data templates for the use of environmental product declarations (EPDs) for construction products in building information modelling (BIM) (ISO 22057:2022)

---

<b>Contents</b>		<b>Page</b>
<b>European foreword</b> .....		<b>4</b>
<b>Foreword</b> .....		<b>5</b>
<b>Introduction</b> .....		<b>6</b>
<b>1</b>	<b>Scope</b> .....	<b>9</b>
<b>2</b>	<b>Normative references</b> .....	<b>9</b>
<b>3</b>	<b>Terms and definitions</b> .....	<b>9</b>
3.1	Terms relating to environmental labelling and construction products.....	10
3.2	Terms relating to concepts, objects and properties.....	10
3.3	Terms relating to data.....	11
3.4	Other terms.....	13
<b>4</b>	<b>Abbreviated terms</b> .....	<b>14</b>
<b>5</b>	<b>Purpose of data templates</b> .....	<b>15</b>
5.1	General.....	15
5.2	EPD data and generic LCA data/information use.....	15
5.3	Generic LCA data.....	16
<b>6</b>	<b>Terminology alignment</b> .....	<b>16</b>
<b>7</b>	<b>Creating data templates</b> .....	<b>17</b>
7.1	General.....	17
7.2	Creating a data dictionary concept representing a reference document.....	19
7.3	Create a data dictionary concept representing a data template.....	19
7.4	Creating a data dictionary concept representing properties.....	20
7.5	Creating a data dictionary concept representing groups of properties.....	20
<b>8</b>	<b>Providing EPD content in data sheets using the data template concept</b> .....	<b>20</b>
8.1	General.....	20
8.2	EPD general information – group of properties.....	21
8.2.1	General.....	21
8.2.2	Product information – sub-set of EPD general information group of properties.....	22
8.2.3	Content declaration – sub-set of EPD general information group of properties.....	22
8.2.4	EPD type – sub-set of EPD general information group of properties.....	23
8.2.5	Programme operator – sub-set of EPD general information group of properties.....	24
8.2.6	Technical data – sub-set of EPD general information group of properties.....	25
8.3	EPD methodological framework – group of properties.....	25
8.3.1	General.....	25
8.3.2	EPD methodological specification– sub-set of the EPD methodological framework group of properties.....	26
8.3.3	Reference unit and RSL – sub-set of the EPD methodological framework group of properties.....	28
8.3.4	Reference quantity and scaling factor – sub-set of EPD methodological framework group of properties.....	30

8.4	Scenarios.....	30
8.4.1	General.....	30
8.4.2	Scenarios for transport for information modules A4, C2, and for transport in other information modules (e.g. B2 to B5) – data template .....	31
8.4.3	Information module A5.....	33
8.4.4	Information module B1.....	35
8.4.5	Information module B2.....	35
8.4.6	Information modules B3, B4 and B5.....	37
8.4.7	Information modules B6 and B7.....	38
8.4.8	Information module C1.....	38
8.4.9	Information module C2.....	40
8.4.10	Information module C3.....	40
8.4.11	Information module C4.....	41
8.4.12	Module D.....	42
8.5	Environmental indicators derived from LCA.....	44
8.6	Additional environmental information.....	51
<b>Annex A (normative) List of all concepts with GUID.....</b>		<b>52</b>
<b>Annex B (informative) Relationship ILCD + EPD, INIES and OpenEPD.....</b>		<b>53</b>
<b>Annex C (informative) Data templates structure – UML diagram.....</b>		<b>54</b>
<b>Annex D (informative) EPD in smart CE marking declarations.....</b>		<b>55</b>
<b>Bibliography.....</b>		<b>61</b>