



LCA modules and indicators



Instytut Techniki Budowlanej

Table 1. ITB EPD product profile

Environmental assessment information (MND – Module not declared, MD – Module Declared)																
Product stage			Construction process		Use stage							End of life				Benefits and loads beyond the system boundary
Raw material supply	Transport	Manufacturing	Transport to construction site	Construction-installation process	Use	Maintenance	Repair	Replacement	Refurbishment	Operational energy use	Operational water use	Deconstruction demolition	Transport	Waste processing	Disposal	Reuse-recovery-recycling potential
A1	A2	A3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4	D
MD	MD	MD	MND	MND	MND	MND	MND	MND	MND	MND	MND	MND	MND	MND	MND	MND

Environmental impacts					
Indicator	Unit	A1	A2	A3	A1-A3
Global warming potential	[kg CO ₂ eq.]				
Depletion potential of the stratospheric ozone layer	[kg CFC 11 eq.]				
Acidification potential of soil and water	[kg SO ₂ eq.]				
Eutrophication potential	[kg (PO ₄) ³⁻ eq.]				
Formation potential of tropospheric ozone	[kg Ethene eq.]				
Abiotic depletion potential (ADP-elements) for non-fossil resources	[kg Sb eq.]				
Abiotic depletion potential (ADP-fossil fuels) for fossil resources	[MJ]				
Environmental aspects on resource use					
Indicator	Unit	A1	A2	A3	A1-A3
Use of renewable primary energy excluding renewable primary energy resources used as raw materials	[MJ]				
Use of renewable primary energy resources used as raw materials	[MJ]				
Total use of renewable primary energy resources (primary energy and primary energy resources used as raw materials)	[MJ]				
Use of non-renewable primary energy excluding non-renewable primary energy resources used as raw materials	[MJ]				
Use of non-renewable primary energy resources used as raw materials	[MJ]				
Total use of non-renewable primary energy resources (primary energy and primary energy resources used as raw materials)	[MJ]				
Use of secondary material	[kg]				
Use of renewable secondary fuels	[MJ]				
Use of non-renewable secondary fuels	[MJ]				
Net use of fresh water	[dm ³]				
Other environmental information describing waste categories					
Indicator	Unit	A1	A2	A3	A1-A3
Hazardous waste disposed	[kg]				
Non hazardous waste disposed	[kg]				
Radioactive waste disposed	[kg]				
Components for re-use	[kg]				
Materials for recycling	[kg]				
Materials for energy recovery	[kg]				
Exported energy	[MJ]				