

Ecodesign Assessment (Product)



PHASE 1 - DESIGN

- Are the main functions of the product well defined and provided?
- Is the product easy to maintain?
- Is it possible to access parts or modules for repair, refurbishment and reuse in a non-destructable and reversible way?
- Are parts of the product built in a standardized way (for compabtibility, upgrade, repair, ...)?
- Is the product designed robust enough to withstand the intended use for the intended use time (material choice, construction, wear and tear, ...)?
- Does the design promote positive behaviour change or product attachment?

Not at all Unlikely Likely Definitely Unknown N/A

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Score	<input type="text"/>	÷ (6-	<input type="text"/>)=	<input type="text"/>



PHASE 2 -RESSOURCES

- Is the product built lightweight?
- Are recycled or renewable materials used instead of virgin materials?
- Is the product build with recyclable materials?
- Are materials with big environmental burden avoided? (aluminium, concrete, precious metals, ...associated with climate change)
- Are toxic or hazarodus materials avoided?
- Is it composed of few different materials (e.g. just one type of plastic)?

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PHASE 3 - MANUFACTURING

Is the production optimized energy-efficiently?

Are auxiliaries and operational material usage optimized or even avoided (water, air, oil,...)?

Is waste avoided during manufacturing?

Are components assembled in removable ways (mono-material dismantling)

Are waste and by-products (also waste water or lost heat) used as a resource for other nearby companies (industrial symbiosis)?

Not at all
Unlikely
Likely
Definitely
Unknown
N/A

Σ sum of answers
multiply by

x0 x1 x2 x3

is Σ sum x Points

+ + + =

Score

÷ (5-) =



PHASE 4 - DISTRIBUTION

Are long distances across logistics (between material extraction, within the supply chain and along distribution) avoided?

Are logistics organized climate neutrally?

Is a reverse logistics for end of life in place?

Does the packaging add value beyond product protection and marketing?

Is packaging material eco-friendly, reduced or even avoided?

Can the packing be reused (reverse logistics) or recycled?

Not at all
Unlikely
Likely
Definitely
Unknown
N/A

Σ sum of answers
multiply by

x0 x1 x2 x3

is Σ sum x Points

+ + + =

Score

÷ (6-) =

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PHASE 5 -USE

- Is the product trying to reduce the energy consumption?
- Can rapid wear and tear be avoided or can worn parts be replaced?
- Does the product have a switch off button / energy saving mode?
- Is the product trying to avoid or reduce the amount of consumables?
- Does the product allow more eco-friendly (e.g. 3rd party) consumables?
- Is a minimum of waste generated during the use phase?

Not at all
Unlikely
Likely
Definitely
Unknown
N/A

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PHASE 6 -AFTER USE

- Can the product be re-used for a different purpose?
- Does the product provide information how to dispose of (for re-use, recycling)?
- Are recycling processes established?
- Can toxic materials be disposed of separately?
- Is a safe disposal possible?

Not at all
Unlikely
Likely
Definitely
Unknown
N/A

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BUSINESS MODEL

Are the product (and services) co-created with customers, suppliers and the whole (circular) business network ?

Can the benchmark be used by several users (sharing, renting, pay per service)?

Is a secondary market (aftermarket) part of the business modell?

Are environmental and social aspects cosidered in the cost-benefit analysis (beside financial aspects)?

Not at all
Unlikely
Likely
Definitely
Unknown
N/A

Σ sum of answers
 multiply by

<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
x0	x1	x2	x3	

Σ sum x Points

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Score \div (4-) =



FINAL SCORE

Mark the scores of each phase in the chart and connect the dots. What is doing good, where is room for improvement?

