

Add Product


The information here provided will be approved by the Firstplanit team before adding the product to the Firstplanit Library.

Part 1

Generic Information

By uploading pictures I agree on the...

EPD



Drag and Drop your file

Or type here the URL

Product Name

*

Type Here

Product Family *

Type Here

Product Category

Type Here

Product Type

Type Here

Short Description

Type Here

Product Application

How is the typical application for this product?

Type Here

Key Advantages *

What are the Key Advantages of using this product over other similar products?

Type Here

Price Range

*

Select

▼

Product Compared *

Which product on the market are you comparing to in the previous questions?

Type Here

Limitations *

What are the limitations of the product? (i.e. in what scenarios it would be inappropriate)?

Type Here

Certifications *

Is your product certified by an eco-label?

Type Here

Special Area

Is your product particularly recommended for any of these special areas? (select all that apply)

- ☐ Kitchen
- ☐ Bathroom
- ☐ Garden

Building Components

Where would you use this product? (select all that apply)

- ☐ Foundation
- ☐ Exterior Walls
- ☐ Interior Walls
- ☐ Floor
- ☐ Ceiling
- ☐ Roof

Part 2
Sustainability Attributes

1. Locally Made

Products extracted or manufactured using resources available within a defined distance from the project site are considered locally made. The location of manufacturing units matters as some manufacturers could be distributing in the region but manufacturing far away in another country. This does not qualify as locally made.

Impact Criteria

The manufacturer declares that the product is made within the UK.

- ☐ Yes
- ☐ No
- ☐ I don't know

Provide a value: *

Type Here

Please explain and provide data/links to evidence. *

Type Here

2. Reclaimed

Products that have been previously used in buildings, temporary works, or other projects are then either slightly altered, re-sized, refinished, or adapted to be used again are considered reclaimed. (Not recycled or reprocessed in any way.)

- ☐ Yes
- ☐ No
- ☐ I don't know

Provide a value: *

Type Here

Please explain and provide data/links to evidence. *

Type Here

3. Low Embodied Energy

Products that consume small amounts of energy to make are considered low embodied energy. The total embodied energy is the total amount of primary energy consumed during a product's whole life cycle, including extraction, manufacturing, construction, maintenance and disposal. We evaluate energy consumed during extraction and manufacturing processes at stages A1-A3 of the product life cycle because the rest are project location-dependent.

Impact Cut-off

Cladding: 152.631 MJ/m2
Flooring: 158.481 MJ/m2
Insulation: 204.982 MJ/m2
Interior finishes: 104.378 MJ/m2
Roofing: 95.495 MJ/m2
Structure: 217.868 MJ/m2

- ☐ Yes
- ☐ No
- ☐ I don't know

Provide a value: *

Type Here

Please explain and provide data/links to evidence. *

Type Here

4. Low Embodied Carbon

Embodied Carbon of a product is the sum of fuel and process-related carbon emissions produced during the product's entire life-cycle, including extraction and manufacturing.
Fuel-related refers to the combusted embodied energy but not the feedstock energy retained within the product. Process related refers to non-fuel-related emissions arising from chemical reactions.

We evaluate carbon emissions during extraction and manufacturing processes stages A1-A3 of the product life cycle. (Other attributes on this list cover the impact of other stages.)

Impact Cut-off

- Cladding: 6.14 CO2/m2
- Flooring: 6.32 CO2/m2
- Insulation: 7.33 CO2/m2
- Interior finishes: 2.99 CO2/m2
- Roofing: 7.139 CO2/m2
- Structure: 16.627 CO2/m2

- ☐ Yes
- ☐ No
- ☐ I don't know

Provide a value: *

Type Here

Please explain and provide data/links to evidence. *

Type Here

5. Rapidly Degradable

Products that can be quickly broken down into biomass or simpler molecules by biological organisms and processes are considered rapidly degradable. Everything is biodegradable, but chemical treatments and coatings used to increase durability will often resist degradation, hanging around as waste for hundreds of years beyond their intended use timeframe.

Impact Cut-off

75% of the product mass must biodegrade within 40 years.
The process of biodegradation must not create harmful and toxic residues highlighted in reduced toxic harm attribute.

- ☐ Yes
- ☐ No
- ☐ I don't know

Provide a value: *

Type Here

Please explain and provide data/links to evidence. *

Type Here

6. Rapidly Renewable

Products made from abundantly available raw material that can regenerate themselves in 10 years or less and do not result in significant loss of biodiversity, increased erosion, or air quality impacts are considered rapidly renewable.

Impact Cut-off

75% of the product mass must be comprised of rapidly renewable material.

- ☐ Yes
- ☐ No
- ☐ I don't know

Provide a value: *

Type Here

Please explain and provide data/links to evidence. *

Type Here

7. Recycled Content

Products that are not made solely from virgin materials but contain recycled constituents within their mass. Recycled content should be from consumed, used, disposed products. Or from waste and scrap generated during the manufacturing process of another product.

Impact Cut-off

A minimum of 20% of the total product mass must be recycled material.

- ☐ Yes
- ☐ No
- ☐ I don't know

Provide a value: *

Type Here

Please explain and provide data/links to evidence. *

Type Here

8. End-of-Life Plan

The product's manufacturer has a plan for the material at the end of the product's first use. This could be a take-back policy or collaborative programs with the local government or 3rd parties to ensure the collection of discarded products for recycling, refurbishment or responsible disposal. Note that recyclability is not an end-of-life plan, but a plan in place to collect and send the product for recycling is an end-of-life plan.

Impact Cut-off

The manufacturer independently or collaboratively has:

- (a) laid out a plan for responsible disposal of the material at the end of life and shared it with the user or
- (b) made provisions for collecting products at the end of their life, followed by responsible disposal, recycling or refurbishment.

- ☐ Yes
- ☐ No
- ☐ I don't know

Provide a value: *

Type Here

Please explain and provide data/links to evidence. *

Type Here

9. Durable

Products that can withstand and resist degradation without requiring excessive cleaning and maintenance are considered Durable. Degradation is caused by wreathing actions (moisture, temperature variations, radiation, etc.), chemical attacks (corrosion, carbonation, etc.), fire, insects, abrasion, or staining. Product durability is assessed by the number of years suggested for their intended use in the warranty or declaration of manufacturing standards and tests.

Impact Cut-off

Products and materials have different physical and chemical properties and hence various tests to check their property-affecting durability.

If an LCA/EPD is available, Reference Service Life should be 60 or more.

Scrub resistance for paints- Minimum Class 3 (Class 1-3) , as per (BS EN 13300)
Other tests/attributes: stain resistance, shock resistant, abrasion-resistant
Slate: water absorption < 0.6%; Rated S1 (carbonate content of less than 20%)
Clay tiles: Frost resistance Level 1 (BS EN1304)
Concrete tiles: Compliant with (BS EN 490)
Weathering resistance tests: water penetration, wind resistance, UV degradation resistance.
Timber: Resistance to mould growth, fungi and insects. Use class 1-3.
Bricks: At least frost resistant with normal soluble salt content (FN). Highest category would be FL (Frost resistant with low soluble salt content) (BS 3921)
Windows: minimum 20 year warranty

- ☐ Yes
- ☐ No
- ☐ I don't know

Provide a value: *

Type Here

Please explain and provide data/links to evidence. *

Type Here

10. Versatile

Products that can be installed in many parts of a building, serve many purposes, are designed in a modular fashion, and maintain their properties when cut down are considered versatile. This includes materials, components and systems which are simple to install and can be uninstalled without causing significant damage to the supporting structure or the material itself. Versatility allows repurposing of disposed product or the reusability of its offcuts to reduce waste when installed.

Impact Cut-off
A Product that fulfils 2 out of 5 properties as per its product description:

- (a) Can be installed in many parts of a building
- (b) Serve many purposes.
- (c) Is designed in modules
- (d) Easy to install and/or uninstall without causing significant damage to the supporting structure or the material itself.
- (d) Maintain its properties when cut down.

- ☐ Yes
- ☐ No
- ☐ I don't know

Provide a value: *

Type Here

Please explain and provide data/links to evidence. *

Type Here

11. Low Toxic

Products that demonstrate minimal or no Volatile Organic Compounds (VOCs) emissions have no carcinogens, reproductive toxicants, or irritants that make indoor environments unhealthy are considered low toxic. Not all toxicity is regulated and minimised by the government.

Impact Cut-off
Asbestos: Complete absence.
Toxic metals and compounds: Arsenic
Inhalation: <0.06 µg/day
Cadmium Inhalation: <0.05 µg/day
Chromium Inhalation: <0.001 µg/day
Lead: Maximum Allowable Dose Level (MADL) :<0.5 µg/day

Formaldehyde emissions <10 µg/m3 or certification (E1).
Styrene, Polystyrene: No Significant Risk Level (NSRL):
<27 µg/day

VOCs < 300 µg /m3 or VOC/TVOC certification.
VOCs in Paint ≥ 80 l/g
Toluene- <13000 µg/day
Halogenated Flame Retardants: <0.01% (100 ppm).
Isocyanates:MIC -<0.02 ppm (0.047 mg/m3)

- ☐ Yes
- ☐ No
- ☐ I don't know

Provide a value: *

Type Here

Please explain and provide data/links to evidence. *

Type Here

12. Moisture Balancing

Products that resist moisture in or on the fabric of a building are considered moisture-balancing. Dampness caused by water vapour condensation results in staining, bacteria, fungi, mould growth, mildew, causing multiple respiratory diseases and weakening building fabric. How a product responds to moisture depends on its specific set of physical properties.

Products must prevent steam from entering walls during construction, use or repair, but allow water vapour to evaporate quickly from the external surface without creating condensation inside a building.

Impact Cut-off
If the product has a certification, standard (ISO 7783 Water Vapour Permeability, BBA, CE, DIN EN 1062-3, BS EN 490, BS EN 998, EN 12572, EN 1928, EN 1931, BS 6375 Part 1) declaring (applicable tests like) moisture performance, breathability, water vapour permeability, hygroposctiy, capillarity of water tightness.

- ☐ Yes
- ☐ No
- ☐ I don't know

Provide a value: *

Type Here

Please explain and provide data/links to evidence. *

Type Here

13. Acoustics Regulating

Products that reduce noise transmission from the outdoor to indoor or absorb or disperse noise indoors are considered acoustics regulating.

Products fall into 3 categories:
(a) Airborne sound insulation for walls, windows, roofs to prevent outside noise penetration.
(b) Impact sound insulation for floor finishes to prevent sound transfer between floors.
(c) Noise absorption for walls, floors and ceilings to reduce noise indoors.

Impact Cut-off
Declaration by the manufacturer that the product has superior acoustic properties.

(a) 45 dB reduction target. This is for the entire wall/floor unit rather than for an individual material.
Windows and doors, reduction > 35 dB
(b) Impact absorption > 17 dB, or declaration of acoustic felt/underlayment.
(c) Noise Reduction Coefficient (NRC)≥ 0.4

- ☐ Yes
- ☐ No
- ☐ I don't know

Provide a value: *

Type Here

Please explain and provide data/links to evidence. *

Type Here

14. Thermal Barrier

Products that resist heat transfer with a high R-value (inverse of the thermal conductivity or U-value) are considered a thermal barrier. The higher the R-value, the more effective it is as an insulator. A product must resist air transmission, heat loss, and heat gain between the inside and outside environment to assist with comfortable temperature indoors at low energy consumption.

Impact Cut-off

Different products will declare different values like thermal conductivity, R-value or U value. Established formulas translate one into another for a like-for-like comparison. Thermal Conductivity

Insulation <0.038W/mk
Floor Finish <0.26 W/mk

U value for windows <1.2 W/(m²K)

- ☐ Yes
- ☐ No
- ☐ I don't know

Provide a value: *

Type Here

Please explain and provide data/links to evidence. *

Type Here

15. Fire Resistant

Products that can do one or more of the following in case of fire are considered fire resistant:

- A) Resist collapse (load-bearing capacity), which applies to load-bearing elements only, denoted R in the European classification of the resistance to fire performance.
- B) Resist fire penetration (integrity), denoted E in the European classification of the resistance to fire performance.
- C) Resist the transfer of excessive heat (insulation), denoted in the European classification of the resistance to fire performance.

Impact Cut-off

Euroclass B for all building materials.
Euroclass C for fabrics and fabric-like materials.

- ☐ Yes
- ☐ No
- ☐ I don't know

Provide a value: *

Type Here

Please explain and provide data/links to evidence. *

Type Here

Comments

Any other comment you would like to add?

Type Here