



EPD - The SME Manufacturer's Perspective

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Chair – ASBP



About Thermafleece

- British Sheep's Wool Insulation.
- Made in Yorkshire.
- Since 1999.
- Slabs and rolls.
- 14m British sheep.
- 23m kg of wool per year.
- 5m kg per year suitable for insulation.
- Thermafleece low value coarse wool.
- Our other brands:

SUPASOFT
INSULATION

**therma
fleece**
NATRAHEMP

THERMOFLOC
The Intelligent Insulation System



 **therma
fleece**
British Sheep's Wool Insulation




Headlines



Why EPD

- Supports green claims.
- Shows commitment to transparency & objectivity.
- Informs product development.
- Increases credibility.
- Part of the picture for us:
 - ISO14001/9001
 - Carbon Footprint Report, Scope 1,2,3
 - Carbon Reduction Plan
 - Verified EPD
 - Product Carbon Footprints (PAS2050)
 - Biogenic Carbon Storage Benefit
- Shows a commitment to work to common rules and norms.
- Not a box ticking exercise.



Our Reservations

- Would the process be very onerous?
- How do we comprehend the processes?
- How best to we use an EPD?
- How will we understand EPD?
- What if the data isn't what we expected?
- Have we the right people to lead the project?
- How do we choose a consultant?

It can be daunting but not a reason to do nothing.



Understanding EPD & Process

- An exercise in process mapping and data collection.
- Understand boundaries and allocations.
- Choose the people to match the task.
- Ask the expert to use plain English.
- One step at a time.
- Train the team and provide regular updates.
- Stress the importance.
- Provide easy explanations of complex documents.



Environmental Product Declaration



In accordance with ISO 14025 and EN 15804:2012+A2:2019 for:

Thermafleece Cosywool, Ultrawool

from

Eden Renewable Innovations Limited



Programme:

Programme operator:

EPD registration number:

Publication date:

Valid until:

The International EPD® System, www.environdec.com

EPD International AB

S-P-04468

2021-11-01

2026-10-31

An EPD should provide current information and may be updated if conditions change. The stated validity is therefore subject to the continued registration and publication at www.environdec.com



Environmental Product Declaration

In accordance with ISO 1

SupaSoft In
from

Eden Renewabl



Programme:

Programme operator:

EPD registration number:

Publication date:

Valid until:



Timeline

- June 2019 Obtained Quotes.
- July 2019 selected Renuables as expert.
- Kick-off & Data Collection July 2019.
- Oct 2019 LCA complete.
- Significant disruption due to Covid.
- EPD drafted Sep 2021.
- EPD verified Oct 2021.
- EPD issued Nov 2021.
- Valid until 31 Oct 2026.
- Typical timescale 6 months from kick-off.



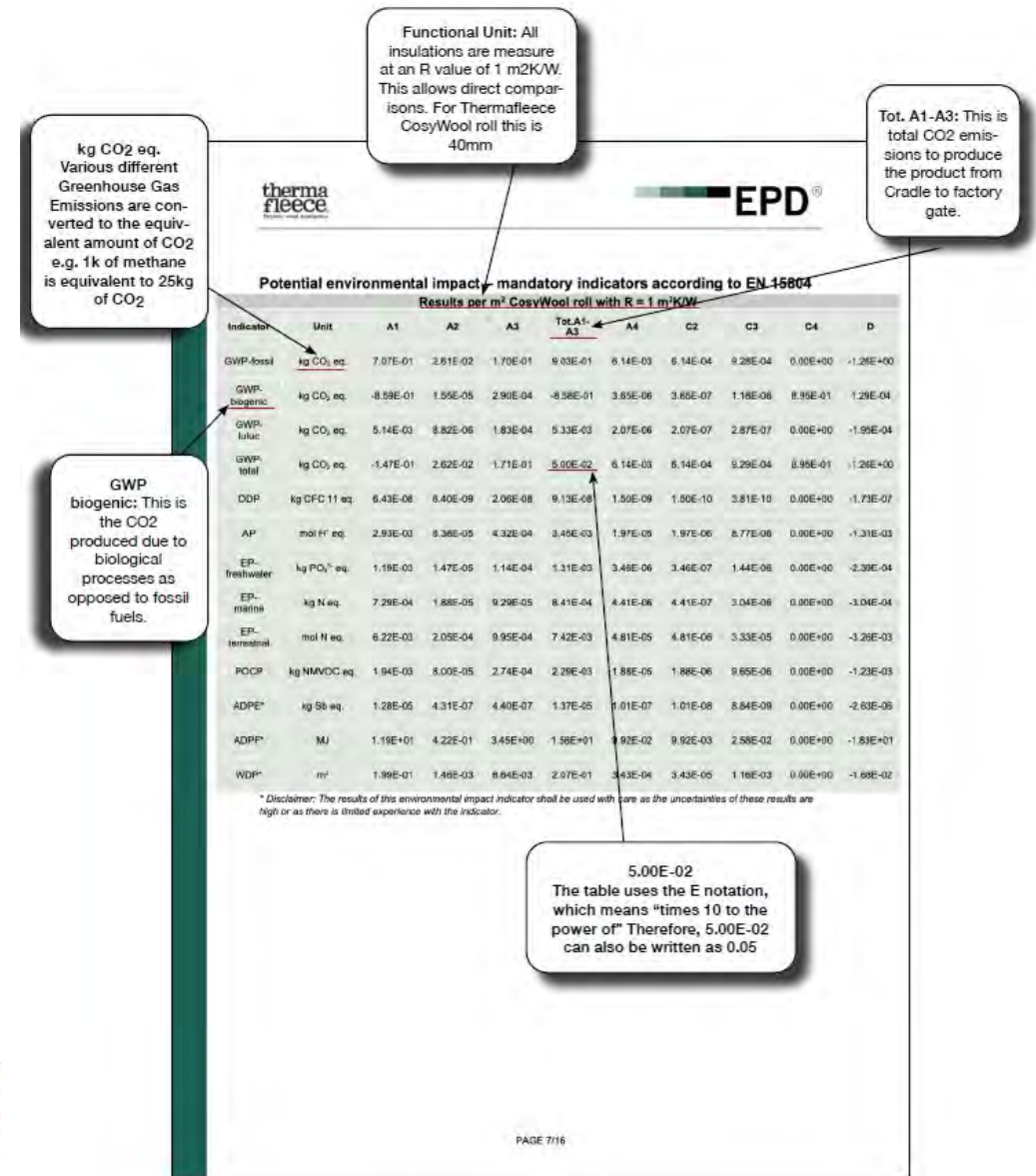
Costs (2021 prices)

- LCA & EPD preparation.
- Verification.
- EPD International registration fee.
- EPD International annual fee.
- 2 EPD – 4 products covered.
- Thermafleece CosyWool Roll, Slab and UltraWool using same LCA report & SupaSoft rPET insulation using separate LCA report.
- Total cost <£15k.
- <£4k per year/ <£1k per product per year.



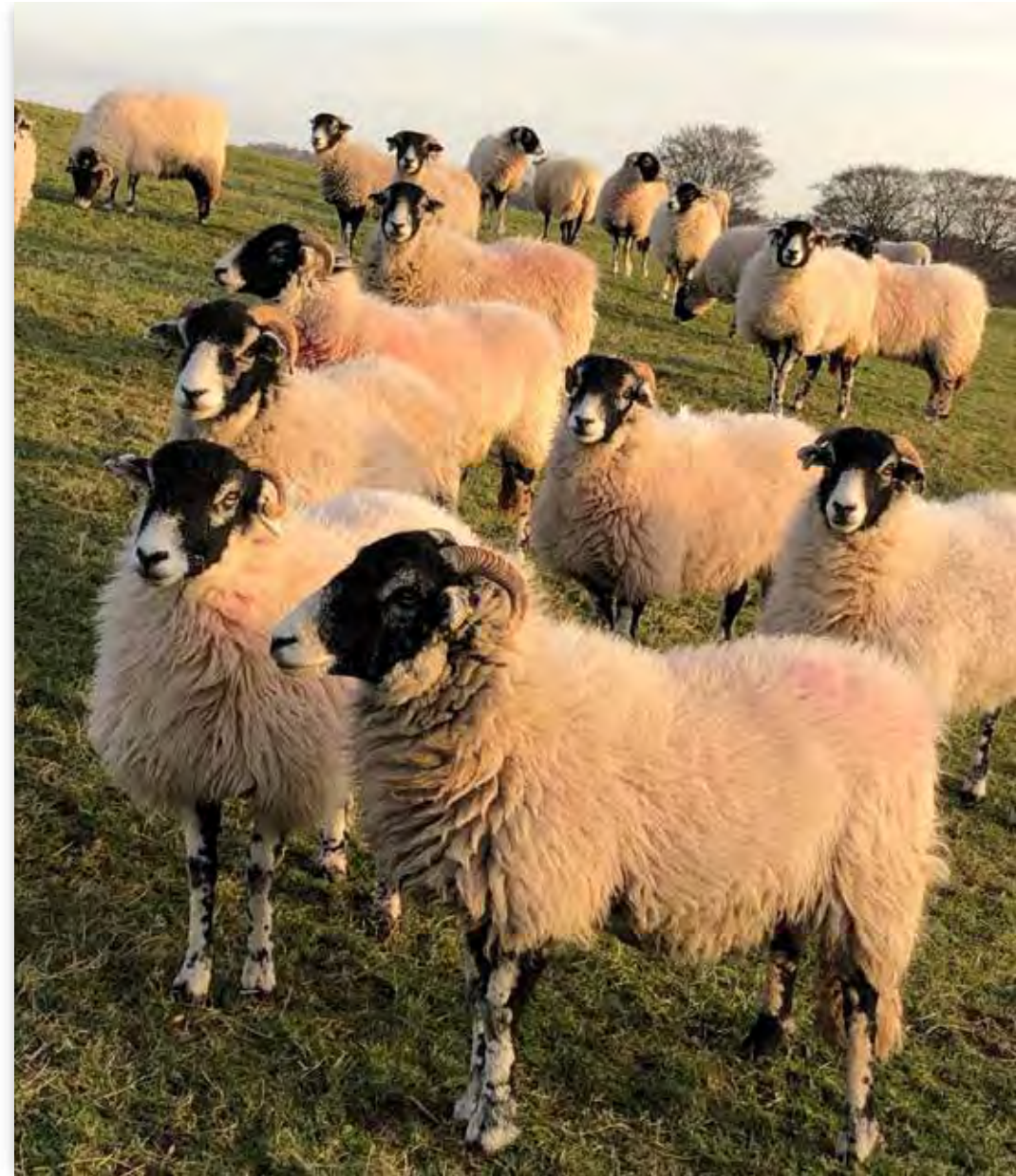
Learnings

- EPD is manageable and affordable for SME's.
- It should be a high priority.
- Creates greater understanding of your proposition.
- The challenge creates confidence.
- Opportunity for the team to learn.
- De-mystify EPD by providing clear explanations of the EPD to the team.
- Pick the right people for the task.
- EPD is the beginning not the end.
- Use EPD for what it is intended. It is part of the picture.



Biogenic Carbon Storage

- EN 15804+A2 EPD is static and doesn't show time value of carbon. Biogenic carbon removals and emissions are balanced to zero over the life-cycle of the product (A-C).
- Biogenic carbon storage benefit must be reported separately as additional information (RICS PSv2 App N).
- Dynamic approaches involve applying a delayed emissions factor to biogenic GWP linked to product service life.
- Biogenic carbon storage is not an offset but an inflow into a bigger carbon sink.
- Only valid for sustainably sourced materials.
- EN15804+A12 and biogenic carbon storage benefit are not mutually exclusive.
- Green claims must consider the full life cycle of the product or service.





Working In Harmony With Buildings