



EPD - The SME Manufacturer's Perspective

Mark Lynn
Managing Director
Eden Renewable Innovations Ltd

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:



Headlines

Butlin's



EDINBURGH
CASTLE



CANTERBURY
cathedral

DIY SOS

QUEST

Hugh Fearnley-Whittingstall's
RIVER COTTAGE



Pick Stein



GREAT BRITISH
RAILWAY JOURNEYS



GRAND
DESIGNS



Jimmy Doherty's
DREAM BUILDS
on Wheels



George Clarke's
REMARKABLE
RENOVATIONS



CORONATION ST.



COUNTRYFILE

Why EPD

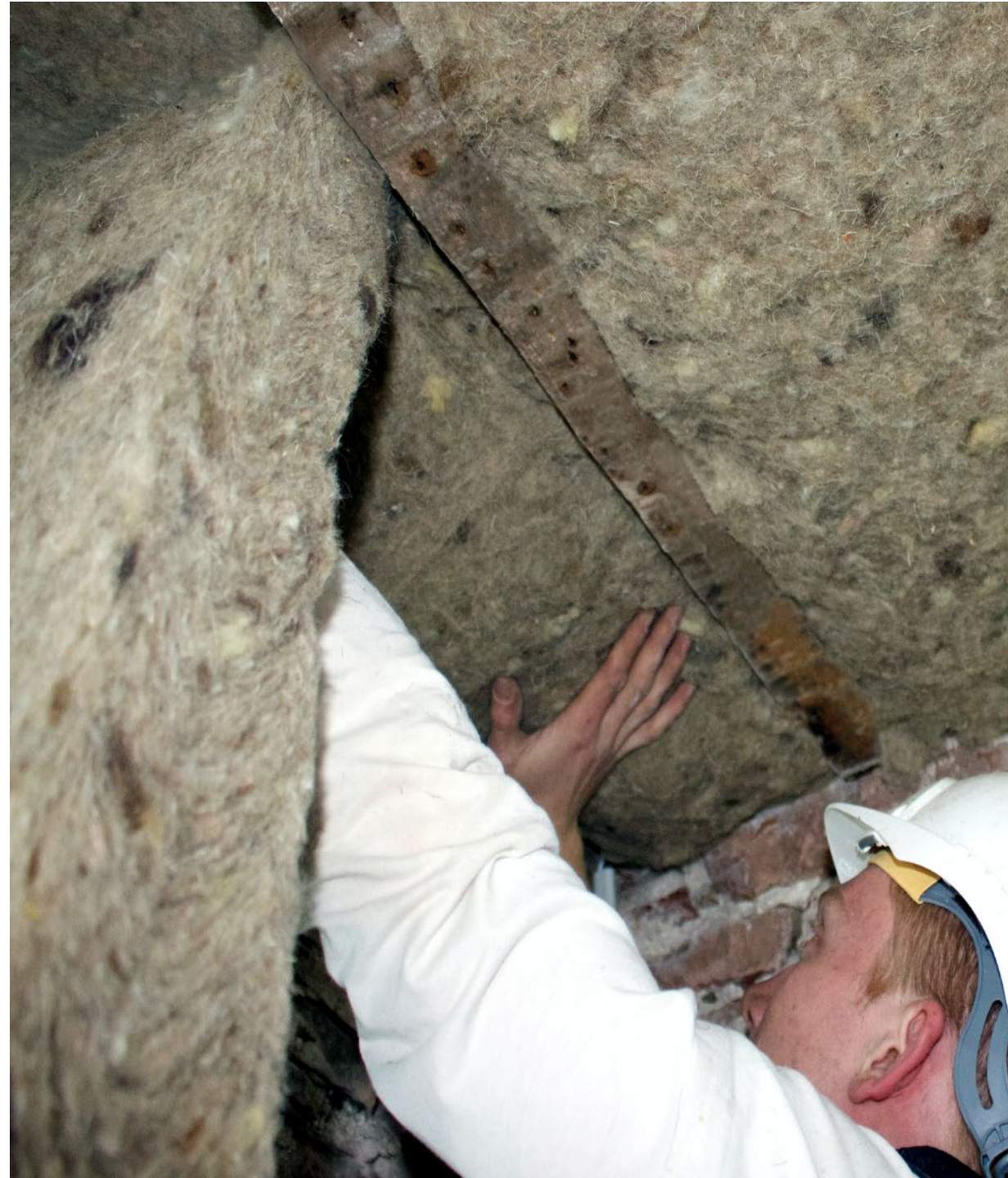
- Supports green claims.
- Shows commitment to transparency & objectivity.
- Informs product development.
- Increases credibility.
- Part of the picture for us:
 - ISO14001/9001
 - Carbon Footprint Report, Scope 1,2,3
 - Carbon Reduction Plan
 - Verified EPD
 - Product Carbon Footprints (PAS2050)
 - 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

SupaSoft Insulation
from
Eden Renewable Innovations Limited



Programme:
Programme operator:
EPD registration number:
Publication date:
Valid until:



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



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.



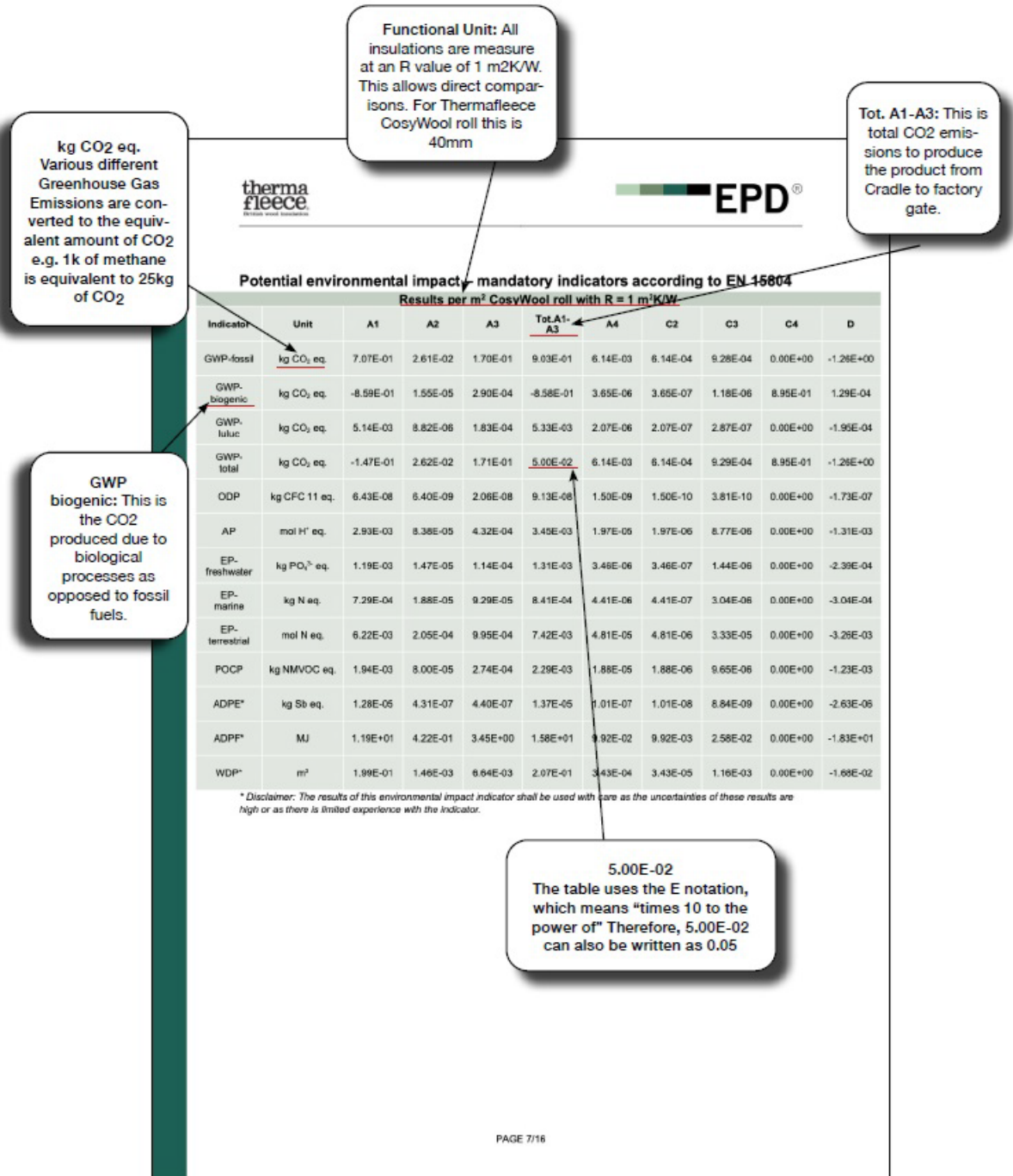
Costs (2021 prices)

- 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