

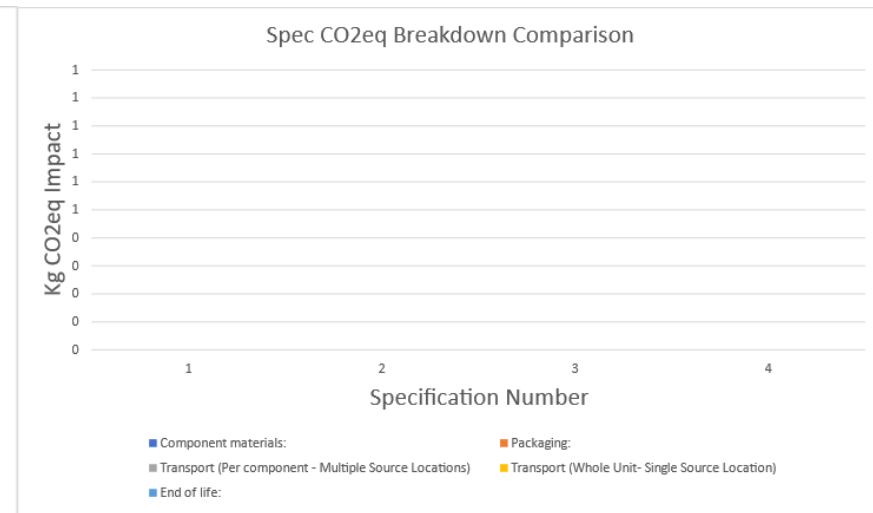
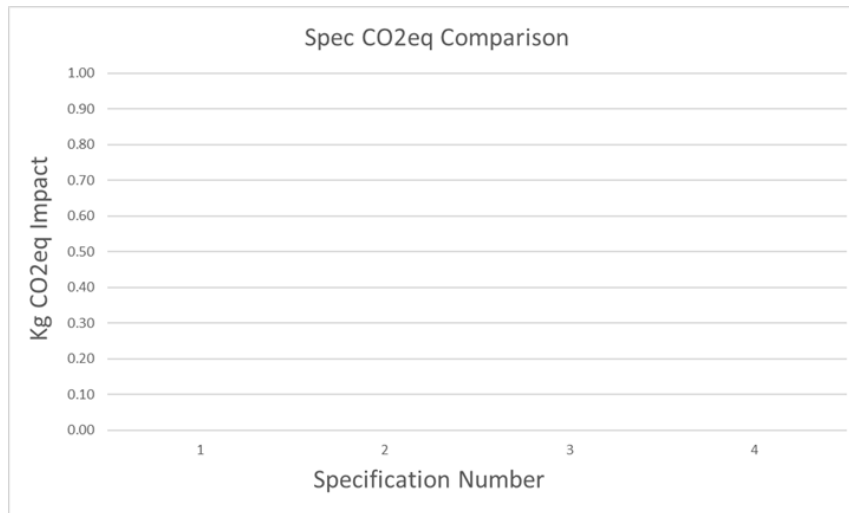
Environmental Guidance in Shelter Methodology for the Assessment of Carbon (SMAC)

- Shelter Methodology for the Assessment of Carbon (SMAC)
- Cradle-to-Grave analysis of CO² equivalents generated when using common construction materials
- Based on LIST, a CO² eq tool developed by BRE
- Compares two or more options
- Decision support – other factors may be more important
- *Good enough* approach

Specification 1				
General product details				
Name:	Example product 1			
Description:	Example product 1 is XXXXXX			
Specification 1 Life Expectancy				
Country of manufacture (only for single source location)	Example: Italy			
Country of use				
Weight per unit (kg)	1050			
Raw materials average Recycled content %	0.00			
Packaging materials average Recycled content %	0			
Component Materials				
Component Number	1	2	3	4
Component Name	Example 1	Example 2	Example 3	Example 4
Notes				
Material Category	Concrete			
Material Sub Category 1	Structural Concrete			
Material Sub Category 2	1:1.5:3 (Cement:Sand:Aggregate) no rebar			
Material Sub Category 3				
kgC02eq/kg	0.16	0.00	0.00	0.00
Material Quantity (kg)	1000	0	0	0
Recycled content (%)	0	0	0	0
Recycled at end of life (%)	90	0	0	0

Impact	Kg CO2eq
Component materials:	155.00
Packaging:	-68.13
Transport (Per component - Multiple Source Locations)	16.80
Transport (Whole Unit- Single Source Location)	16.80
End of life:	1.00
Total	121.48

Impact	Relative % CO2eq
Raw materials:	127.6%
Packaging:	-56.1%
Transport:	27.7%
End of life:	0.8%
Total	100%



How to ...

- How to Guide: <https://sheltercluster.s3.eu-central-1.amazonaws.com/public/SMAC%20User%20Guide.pdf>
- Background document with links: <https://sheltercluster.s3.eu-central-1.amazonaws.com/public/SMAC%20User%20Guide.pdf>

More information?

- Check out

<https://sheltercluster.org/community-practice/environment-community-practice>

And

<https://sheltercluster.org/environment-community-practice/pages/shelter-methodology-assessment-carbon-smac>

- Email: Havedisastercallkelly@gmail.com