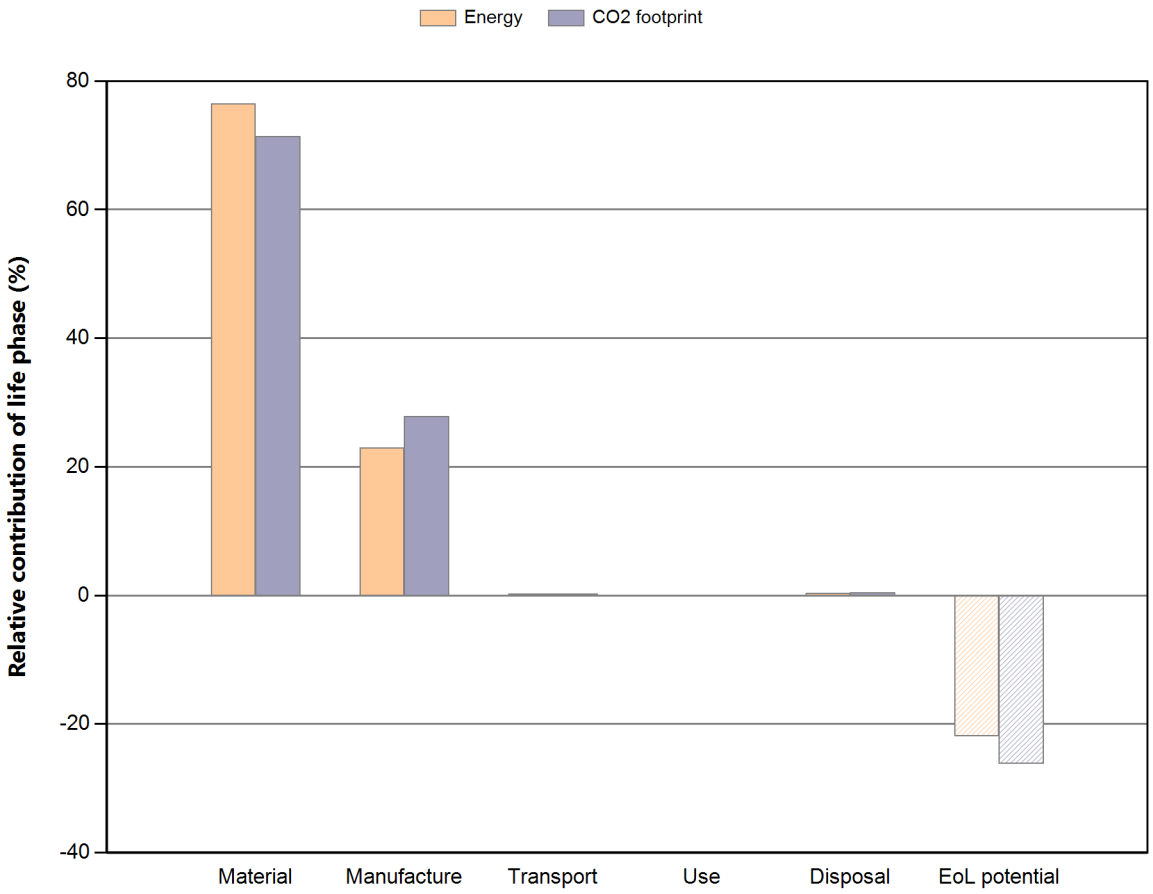
Eco Audit Report

Product name	Beschermkap PMMA
Country of use	Netherlands
Product life (years)	3

Summary:

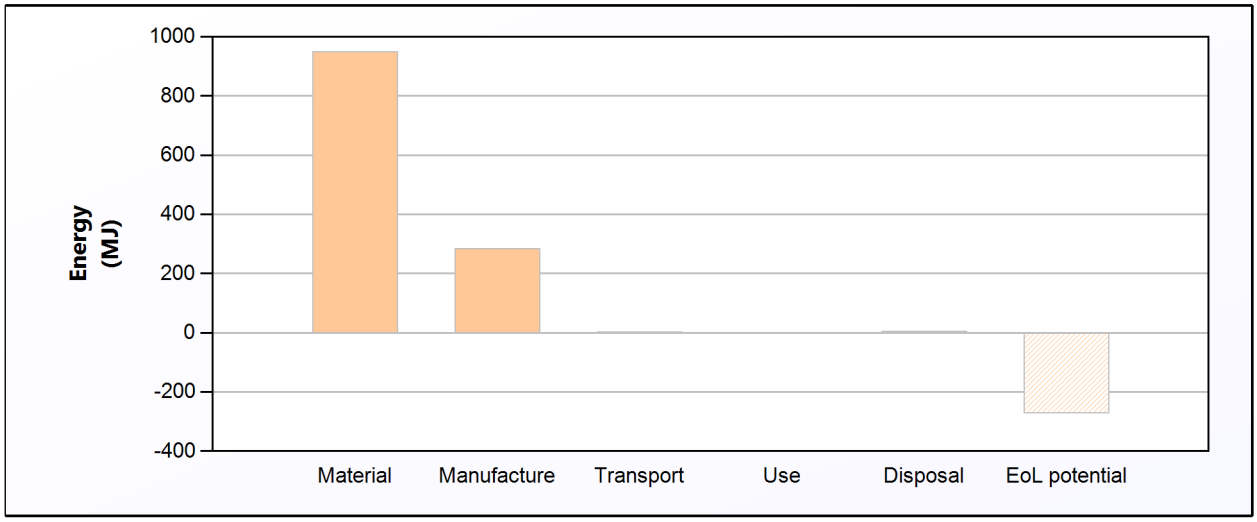


Energy details CO2 footprint details

Phase	Energy (MJ)	Energy (%)	CO2 footprint (kg)	CO2 footprint (%)
Material	949	76,5	54,8	71,5
Manufacture	285	22,9	21,4	27,9
Transport	2,97	0,2	0,214	0,3
Use	0	0,0	0	0,0
Disposal	4,54	0,4	0,318	0,4
Total (for first life)	**1,24e+03**	**100**	**76,7**	**100**
End of life potential	-272		-20,1	

Energy Analysis

Summary



	Energy (MJ/year)
Equivalent annual environmental burden (averaged over 3 year product life):	414

Detailed breakdown of individual life phases

Material:

Summary

Component	Material	Recycled content* (%)	Part mass (kg)	Qty.	Total mass (kg)	Energy (MJ)	%
Beschermkap (1000x1000x5)	Polymethyl methacrylate (Acrylic, PMMA)	Virgin (0%)	5,9	1	5,9	6e+02	63,3
Frame	Stainless steel	Virgin (0%)	4,8	1	4,8	3,5e+02	36,7
Total				**2**	**11**	**9,5e+02**	**100**

*Typical: Includes 'recycle fraction in current supply'

Manufacture:

Summary

Component	Process	Amount processed	Energy (MJ)	%
Beschermkap (1000x1000x5)	Polymer molding	5,9 kg	1,1e+02	38,3
Frame	Wire drawing	4,8 kg	1,8e+02	61,7
Total			**2,8e+02**	**100**

Transport:

Summary

Breakdown by transport stage

Stage name	Transport type	Distance (km)	Energy (MJ)	%
Bus Beschermkap	Light goods vehicle	75	1,8	59,5
vrachtwagen metaal	14 tonne (2 axle) truck	75	1,2	40,5
Total		**1,5e+02**	**3**	**100**

Breakdown by components

Component	Mass (kg)	Energy (MJ)	%
Beschermkap (1000x1000x5)	5,9	1,6	55,1
Frame	4,8	1,3	44,9
Total	**11**	**3**	**100**

Use:

Summary

Relative contribution of static and mobile modes

Mode	Energy (MJ)	%
Static	0	
Mobile	0	
Total	**0**	**100**

Disposal:

Summary

Component	End of life option	Energy (MJ)	%
Beschermkap (1000x1000x5)	Landfill	1,2	26,0
Frame	Recycle	3,4	74,0
Total		**4,5**	**100**

EoL potential:

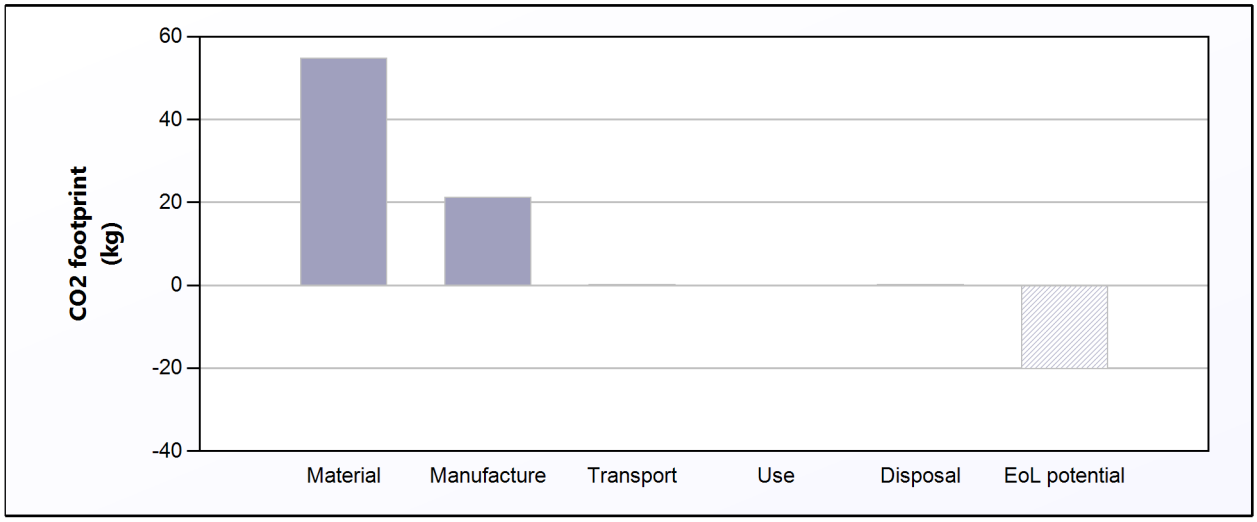
Component	End of life option	Energy (MJ)	%
Beschermkap (1000x1000x5)	Landfill	0	0,0
Frame	Recycle	-2,7e+02	100,0
Total		**-2,7e+02**	**100**

Notes:

Summary

CO2 Footprint Analysis

Summary



	CO2 (kg/year)
Equivalent annual environmental burden (averaged over 3 year product life):	25,6

Detailed breakdown of individual life phases

Material:

Summary

Component	Material	Recycled content* (%)	Part mass (kg)	Qty.	Total mass (kg)	CO2 footprint (kg)	%
Beschermkap (1000x1000x5)	Polymethyl methacrylate (Acrylic, PMMA)	Virgin (0%)	5,9	1	5,9	29	52,4
Frame	Stainless steel	Virgin (0%)	4,8	1	4,8	26	47,6
Total				**2**	**11**	**55**	**100**

*Typical: Includes 'recycle fraction in current supply'

Manufacture:

Summary

Component	Process	Amount processed	CO2 footprint (kg)	%
Beschermkap (1000x1000x5)	Polymer molding	5,9 kg	8,2	38,3
Frame	Wire drawing	4,8 kg	13	61,7
Total			**21**	**100**

Transport:

Summary

Breakdown by transport stage

Stage name	Transport type	Distance (km)	CO2 footprint (kg)	%
Bus Beschermkap	Light goods vehicle	75	0,13	59,5
vrachtwagen metaal	14 tonne (2 axle) truck	75	0,087	40,5
Total		**1,5e+02**	**0,21**	**100**

Breakdown by components

Component	Mass (kg)	CO2 footprint (kg)	%
Beschermkap (1000x1000x5)	5,9	0,12	55,1
Frame	4,8	0,096	44,9
Total	**11**	**0,21**	**100**

Use:

Summary

Relative contribution of static and mobile modes

Mode	CO2 footprint (kg)	%
Static	0	
Mobile	0	
Total	**0**	**100**

Disposal:

Summary

Component	End of life option	CO2 footprint (kg)	%
Beschermkap (1000x1000x5)	Landfill	0,083	26,0
Frame	Recycle	0,24	74,0
Total		**0,32**	**100**

EoL potential:

Component	End of life option	CO2 footprint (kg)	%
Beschermkap (1000x1000x5)	Landfill	0	0,0
Frame	Recycle	-20	100,0
Total		**-20**	**100**

Notes:

Summary