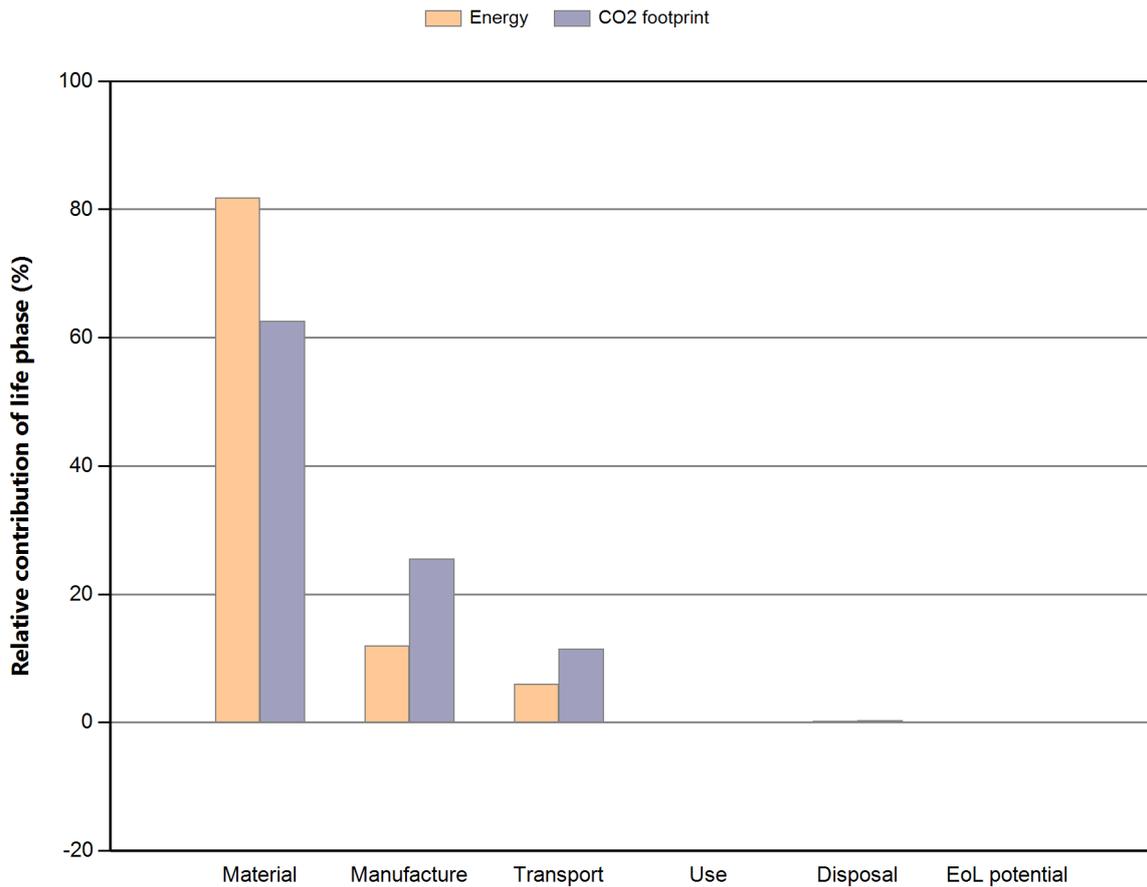


Eco Audit Report

Product name Adidas Spezial Sneaker
 Country of use Europe
 Product life (years) 4

Summary:



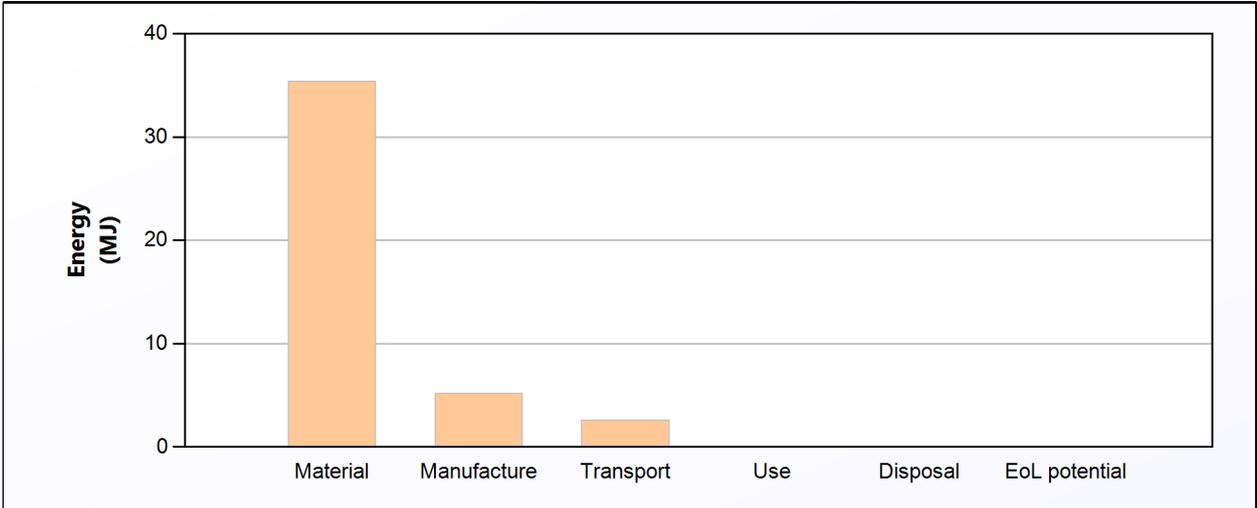
[Energy details](#)

[CO2 footprint details](#)

Phase	Energy (MJ)	Energy (%)	CO2 footprint (kg)	CO2 footprint (%)
Material	35,4	81,8	1,02	62,6
Manufacture	5,2	12,0	0,416	25,5
Transport	2,61	6,0	0,188	11,5
Use	0	0,0	0	0,0
Disposal	0,0782	0,2	0,00547	0,3
Total (for first life)	43,3	100	1,63	100
End of life potential	0		0	

Energy Analysis

[Summary](#)



	Energy (MJ/year)
Equivalent annual environmental burden (averaged over 4 year product life):	10,8

Detailed breakdown of individual life phases

Material:

[Summary](#)

Component	Material	Recycled content* (%)	Part mass (kg)	Qty.	Total mass (kg)	Energy (MJ)	%
Outer heel counter	Leather	Virgin (0%)	0,012	1	0,012	1,3	3,6
Heel tab	Leather	Virgin (0%)	0,006	1	0,006	0,64	1,8
Inner heel counter	Paper and cardboard	Virgin (0%)	0,01	1	0,01	0,51	1,5
Inner heel liner	Polyester (UP)	Virgin (0%)	0,008	1	0,008	0,57	1,6
Inner heel liner r	Polyester (UP)	Virgin (0%)	0,004	1	0,004	0,29	0,8
Inner heel liner l	Polyester (UP)	Virgin (0%)	0,004	1	0,004	0,29	0,8
Foam collar	Polyurethane	Virgin (0%)	0,018	1	0,018	1,5	4,2
Collar overlay	Leather	Virgin (0%)	0,01	1	0,01	1,1	3,0
Outsole	Carbon black reinforced styrene butadiene rubber (SBR)	Virgin (0%)	0,14	1	0,14	16	43,8
Strobel	Polyester (UP)	Virgin (0%)	0,009	1	0,009	0,64	1,8
Midsole	Paper and cardboard	Virgin (0%)	0,041	1	0,041	2,1	6,0
Inner tongue padding	Polyurethane	Virgin (0%)	0,01	1	0,01	0,82	2,3
Outer tongue	Leather	Virgin (0%)	0,008	1	0,008	0,86	2,4
Adidas label	Polyester (UP)	Virgin (0%)	0,001	1	0,001	0,071	0,2
Upper base	Polyester (UP)	Virgin (0%)	0,05	1	0,05	3,6	10,1
Overlay right	Leather	Virgin (0%)	0,006	1	0,006	0,64	1,8
Overlay left	Leather	Virgin (0%)	0,006	1	0,006	0,64	1,8
3-stripes logo right	Leather	Virgin (0%)	0,003	1	0,003	0,32	0,9
3-stripes logo left	Leather	Virgin (0%)	0,003	1	0,003	0,32	0,9
Toe cap reinforcement	Leather	Virgin (0%)	0,008	1	0,008	0,86	2,4
Toe connection piece	Polyester (UP)	Virgin (0%)	0,006	1	0,006	0,43	1,2
Eyelet reinforcement	Leather	Virgin (0%)	0,002	1	0,002	0,21	0,6
Laces	Polyester (UP)	Virgin (0%)	0,012	1	0,012	0,86	2,4
Vamp	Leather	Virgin (0%)	0,012	1	0,012	1,3	3,6
Mixed materials	Polyester (UP)	Virgin (0%)	0,002	1	0,002	0,14	0,4
Total				25	0,39	35	100

*Typical: Includes 'recycle fraction in current supply'

Manufacture:[Summary](#)

Component	Process	Amount processed	Energy (MJ)	%
Inner heel liner	Polymer molding	0,008 kg	0,21	4,1
Inner heel liner r	Polymer molding	0,004 kg	0,11	2,0
Inner heel liner l	Polymer molding	0,004 kg	0,11	2,0
Foam collar	Polymer molding	0,018 kg	0,3	5,8
Outsole	Polymer molding	0,14 kg	2,2	42,9
Strobel	Polymer molding	0,009 kg	0,24	4,6
Inner tongue padding	Polymer molding	0,01 kg	0,17	3,2
Adidas label	Polymer molding	0,001 kg	0,027	0,5
Upper base	Polymer molding	0,05 kg	1,3	25,6
Toe connection piece	Polymer molding	0,006 kg	0,16	3,1
Laces	Polymer molding	0,012 kg	0,32	6,1
Total			5,2	100

Breakdown by transport stage

Stage name	Transport type	Distance (km)	Energy (MJ)	%
Rubber Sao Poalo to Santos port	55 tonne (8 axle) truck	1e+02	0,028	1,1
Santos to Vietnam	Ocean freight	1,8e+04	1,2	47,3
Factory → Seaport (export Vietnam)	55 tonne (8 axle) truck	1e+02	0,028	1,1
Vietnam → Rotterdam	Ocean freight	1,5e+04	1,1	40,5
Rotterdam → distributie Venlo	14 tonne (2 axle) truck	1,3e+02	0,073	2,8
DC venlo→ Groningen	Light goods vehicle	2,2e+02	0,19	7,3
Total		3,3e+04	2,6	100

Breakdown by components

Component	Mass (kg)	Energy (MJ)	%
Outer heel counter	0,012	0,08	3,1
Heel tab	0,006	0,04	1,5
Inner heel counter	0,01	0,067	2,6
Inner heel liner	0,008	0,053	2,0
Inner heel liner r	0,004	0,027	1,0
Inner heel liner l	0,004	0,027	1,0
Foam collar	0,018	0,12	4,6
Collar overlay	0,01	0,067	2,6
Outsole	0,14	0,93	35,8
Strobel	0,009	0,06	2,3
Midsole	0,041	0,27	10,5
Inner tongue padding	0,01	0,067	2,6
Outer tongue	0,008	0,053	2,0
Adidas label	0,001	0,0067	0,3
Upper base	0,05	0,33	12,8
Overlay right	0,006	0,04	1,5
Overlay left	0,006	0,04	1,5
3-stripes logo right	0,003	0,02	0,8
3-stripes logo left	0,003	0,02	0,8
Toe cap reinforcement	0,008	0,053	2,0
Toe connection piece	0,006	0,04	1,5
Eyelet reinforcement	0,002	0,013	0,5
Laces	0,012	0,08	3,1
Vamp	0,012	0,08	3,1
Mixed materials	0,002	0,013	0,5
Total	0,39	2,6	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)	%
Outer heel counter	Landfill	0,0024	3,1
Heel tab	Landfill	0,0012	1,5
Inner heel counter	Landfill	0,002	2,6
Inner heel liner	Landfill	0,0016	2,0
Inner heel liner r	Landfill	0,0008	1,0
Inner heel liner l	Landfill	0,0008	1,0
Foam collar	Landfill	0,0036	4,6
Collar overlay	Landfill	0,002	2,6
Outsole	Landfill	0,028	35,8
Strobel	Landfill	0,0018	2,3
Midsole	Landfill	0,0082	10,5
Inner tongue padding	Landfill	0,002	2,6
Outer tongue	Landfill	0,0016	2,0
Adidas label	Landfill	0,0002	0,3
Upper base	Landfill	0,01	12,8
Overlay right	Landfill	0,0012	1,5
Overlay left	Landfill	0,0012	1,5
3-stripes logo right	Landfill	0,0006	0,8
3-stripes logo left	Landfill	0,0006	0,8
Toe cap reinforcement	Landfill	0,0016	2,0
Toe connection piece	Landfill	0,0012	1,5
Eyelet reinforcement	Landfill	0,0004	0,5
Laces	Landfill	0,0024	3,1
Vamp	Landfill	0,0024	3,1
Mixed materials	Landfill	0,0004	0,5
Total		0,078	100

EoL potential:

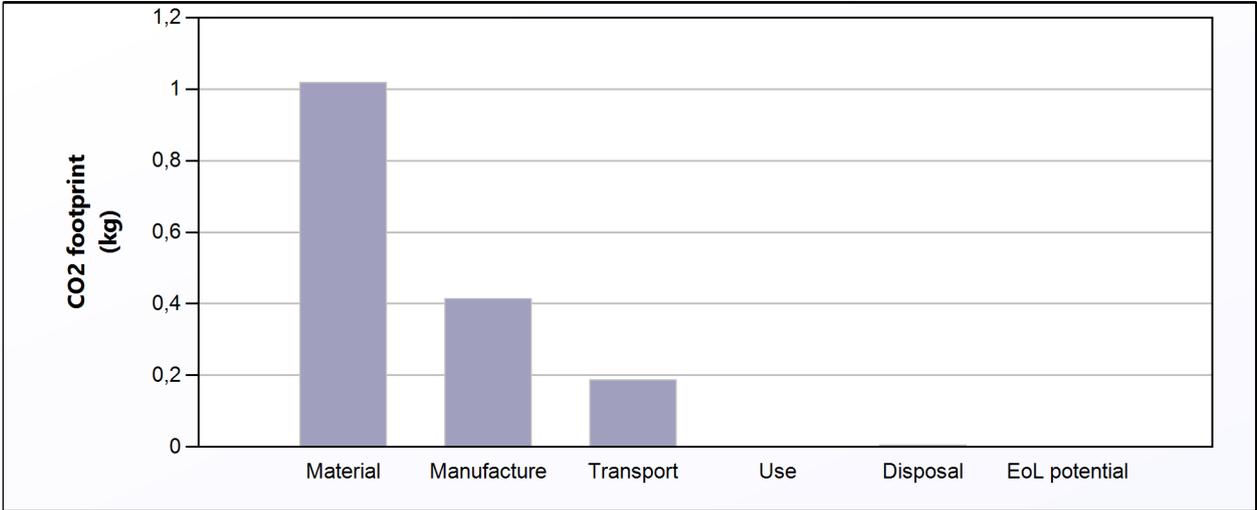
Component	End of life option	Energy (MJ)	%
Outer heel counter	Landfill	0	
Heel tab	Landfill	0	
Inner heel counter	Landfill	0	
Inner heel liner	Landfill	0	
Inner heel liner r	Landfill	0	
Inner heel liner l	Landfill	0	
Foam collar	Landfill	0	
Collar overlay	Landfill	0	
Outsole	Landfill	0	
Strobel	Landfill	0	
Midsole	Landfill	0	
Inner tongue padding	Landfill	0	
Outer tongue	Landfill	0	
Adidas label	Landfill	0	
Upper base	Landfill	0	
Overlay right	Landfill	0	
Overlay left	Landfill	0	
3-stripes logo right	Landfill	0	
3-stripes logo left	Landfill	0	
Toe cap reinforcement	Landfill	0	
Toe connection piece	Landfill	0	
Eyelet reinforcement	Landfill	0	
Laces	Landfill	0	
Vamp	Landfill	0	
Mixed materials	Landfill	0	
Total		0	100

Notes:

[Summary](#)

CO2 Footprint Analysis

[Summary](#)



	CO2 (kg/year)
Equivalent annual environmental burden (averaged over 4 year product life):	0,407

Detailed breakdown of individual life phases

Material:

[Summary](#)

Component	Material	Recycled content* (%)	Part mass (kg)	Qty.	Total mass (kg)	CO2 footprint (kg)	%
Outer heel counter	Leather	Virgin (0%)	0,012	1	0,012	0,051	5,0
Heel tab	Leather	Virgin (0%)	0,006	1	0,006	0,026	2,5
Inner heel counter	Paper and cardboard	Virgin (0%)	0,01	1	0,01	0,012	1,1
Inner heel liner	Polyester (UP)	Virgin (0%)	0,008	1	0,008	0,02	2,0
Inner heel liner r	Polyester (UP)	Virgin (0%)	0,004	1	0,004	0,01	1,0
Inner heel liner l	Polyester (UP)	Virgin (0%)	0,004	1	0,004	0,01	1,0
Foam collar	Polyurethane	Virgin (0%)	0,018	1	0,018	0,058	5,7
Collar overlay	Leather	Virgin (0%)	0,01	1	0,01	0,043	4,2
Outsole	Carbon black reinforced styrene butadiene rubber (SBR)	Virgin (0%)	0,14	1	0,14	0,3	29,6
Strobel	Polyester (UP)	Virgin (0%)	0,009	1	0,009	0,023	2,2
Midsole	Paper and cardboard	Virgin (0%)	0,041	1	0,041	0,048	4,7
Inner tongue padding	Polyurethane	Virgin (0%)	0,01	1	0,01	0,032	3,1
Outer tongue	Leather	Virgin (0%)	0,008	1	0,008	0,034	3,4
Adidas label	Polyester (UP)	Virgin (0%)	0,001	1	0,001	0,0025	0,2
Upper base	Polyester (UP)	Virgin (0%)	0,05	1	0,05	0,13	12,4
Overlay right	Leather	Virgin (0%)	0,006	1	0,006	0,026	2,5
Overlay left	Leather	Virgin (0%)	0,006	1	0,006	0,026	2,5
3-stripes logo right	Leather	Virgin (0%)	0,003	1	0,003	0,013	1,3
3-stripes logo left	Leather	Virgin (0%)	0,003	1	0,003	0,013	1,3
Toe cap reinforcement	Leather	Virgin (0%)	0,008	1	0,008	0,034	3,4
Toe connection piece	Polyester (UP)	Virgin (0%)	0,006	1	0,006	0,015	1,5
Eyelet reinforcement	Leather	Virgin (0%)	0,002	1	0,002	0,0086	0,8
Laces	Polyester (UP)	Virgin (0%)	0,012	1	0,012	0,03	3,0
Vamp	Leather	Virgin (0%)	0,012	1	0,012	0,051	5,0
Mixed materials	Polyester (UP)	Virgin (0%)	0,002	1	0,002	0,0051	0,5
Total				25	0,39	1	100

*Typical: Includes 'recycle fraction in current supply'

Manufacture:[Summary](#)

Component	Process	Amount processed	CO2 footprint (kg)	%
Inner heel liner	Polymer molding	0,008 kg	0,017	4,1
Inner heel liner r	Polymer molding	0,004 kg	0,0085	2,0
Inner heel liner l	Polymer molding	0,004 kg	0,0085	2,0
Foam collar	Polymer molding	0,018 kg	0,024	5,8
Outsole	Polymer molding	0,14 kg	0,18	43,0
Strobel	Polymer molding	0,009 kg	0,019	4,6
Inner tongue padding	Polymer molding	0,01 kg	0,013	3,2
Adidas label	Polymer molding	0,001 kg	0,0021	0,5
Upper base	Polymer molding	0,05 kg	0,11	25,5
Toe connection piece	Polymer molding	0,006 kg	0,013	3,1
Laces	Polymer molding	0,012 kg	0,025	6,1
Total			0,42	100

Transport:

[Summary](#)

Breakdown by transport stage

Stage name	Transport type	Distance (km)	CO2 footprint (kg)	%
Rubber Sao Paolo to Santos port	55 tonne (8 axle) truck	1e+02	0,002	1,1
Santos to Vietnam	Ocean freight	1,8e+04	0,089	47,3
Factory → Seaport (export Vietnam)	55 tonne (8 axle) truck	1e+02	0,002	1,1
Vietnam → Rotterdam	Ocean freight	1,5e+04	0,076	40,5
Rotterdam → distributie Venlo	14 tonne (2 axle) truck	1,3e+02	0,0053	2,8
DC venlo→ Groningen	Light goods vehicle	2,2e+02	0,014	7,3
Total		3,3e+04	0,19	100

Breakdown by components

Component	Mass (kg)	CO2 footprint (kg)	%
Outer heel counter	0,012	0,0058	3,1
Heel tab	0,006	0,0029	1,5
Inner heel counter	0,01	0,0048	2,6
Inner heel liner	0,008	0,0038	2,0
Inner heel liner r	0,004	0,0019	1,0
Inner heel liner l	0,004	0,0019	1,0
Foam collar	0,018	0,0086	4,6
Collar overlay	0,01	0,0048	2,6
Outsole	0,14	0,067	35,8
Strobel	0,009	0,0043	2,3
Midsole	0,041	0,02	10,5
Inner tongue padding	0,01	0,0048	2,6
Outer tongue	0,008	0,0038	2,0
Adidas label	0,001	0,00048	0,3
Upper base	0,05	0,024	12,8
Overlay right	0,006	0,0029	1,5
Overlay left	0,006	0,0029	1,5
3-stripes logo right	0,003	0,0014	0,8
3-stripes logo left	0,003	0,0014	0,8
Toe cap reinforcement	0,008	0,0038	2,0
Toe connection piece	0,006	0,0029	1,5
Eyelet reinforcement	0,002	0,00096	0,5
Laces	0,012	0,0058	3,1
Vamp	0,012	0,0058	3,1
Mixed materials	0,002	0,00096	0,5
Total	0,39	0,19	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)	%
Outer heel counter	Landfill	0,00017	3,1
Heel tab	Landfill	8,4e-05	1,5
Inner heel counter	Landfill	0,00014	2,6
Inner heel liner	Landfill	0,00011	2,0
Inner heel liner r	Landfill	5,6e-05	1,0
Inner heel liner l	Landfill	5,6e-05	1,0
Foam collar	Landfill	0,00025	4,6
Collar overlay	Landfill	0,00014	2,6
Outsole	Landfill	0,002	35,8
Strobel	Landfill	0,00013	2,3
Midsole	Landfill	0,00057	10,5
Inner tongue padding	Landfill	0,00014	2,6
Outer tongue	Landfill	0,00011	2,0
Adidas label	Landfill	1,4e-05	0,3
Upper base	Landfill	0,0007	12,8
Overlay right	Landfill	8,4e-05	1,5
Overlay left	Landfill	8,4e-05	1,5
3-stripes logo right	Landfill	4,2e-05	0,8
3-stripes logo left	Landfill	4,2e-05	0,8
Toe cap reinforcement	Landfill	0,00011	2,0
Toe connection piece	Landfill	8,4e-05	1,5
Eyelet reinforcement	Landfill	2,8e-05	0,5
Laces	Landfill	0,00017	3,1
Vamp	Landfill	0,00017	3,1
Mixed materials	Landfill	2,8e-05	0,5
Total		0,0055	100

EoL potential:

Component	End of life option	CO2 footprint (kg)	%
Outer heel counter	Landfill	0	
Heel tab	Landfill	0	
Inner heel counter	Landfill	0	
Inner heel liner	Landfill	0	
Inner heel liner r	Landfill	0	
Inner heel liner l	Landfill	0	
Foam collar	Landfill	0	
Collar overlay	Landfill	0	
Outsole	Landfill	0	
Strobel	Landfill	0	
Midsole	Landfill	0	
Inner tongue padding	Landfill	0	
Outer tongue	Landfill	0	
Adidas label	Landfill	0	
Upper base	Landfill	0	
Overlay right	Landfill	0	
Overlay left	Landfill	0	
3-stripes logo right	Landfill	0	
3-stripes logo left	Landfill	0	
Toe cap reinforcement	Landfill	0	
Toe connection piece	Landfill	0	
Eyelet reinforcement	Landfill	0	
Laces	Landfill	0	
Vamp	Landfill	0	
Mixed materials	Landfill	0	
Total		0	100

Notes:

[Summary](#)