



ENVIRONMENTAL PRODUCT INFORMATION (EPI*) U02408_UP_EN - 15.12.2021 - www.vs-moebel.de

(LIGNOdur)

Product description:

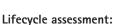
Design consisting of powder-coated steel tubing with central upright on flat-ended skids with plastic kick protection and table top made from extremely tough LIGNOdur safety board with soft, rounded edges.

Human and Ecosystem Health:

The Uno-M has been awarded the following certificates:







Material composition Total recycled material content Wooden mat. 8,00 kg 59.70 % pre consumer Steel 5,14 kg 38,40 % post consumer 40,00 % Aluminium 0,00 kg 0,00 %

Plastic	0,25 kg	1,90 %		
Other	0,00 kg	0,10 %		
Total	13,39 kg	100,00 %	Total	46,10 %

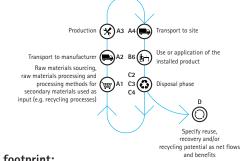
Recycling capability:

100%

Due to the large model variance, for analysis purposes we have chosen the representative model 02408, Uno-M 70x50 cm with an extremely resistant LIGNOdur safety top with softly rounded edges, height 52-82 cm height-adjustable. The packaging is not considered here because, as far as possible, we do without this. Reusable packing blankets made from 100% recycled materials are used to provide protection during transport.

*The Environmental Product Information (EPI) is a type II environmental label in accordance with the specifications set out in ISO 14021. It is a document which describes the environmentally-relevant impacts of the corresponding item of furniture across the entire product lifecycle.

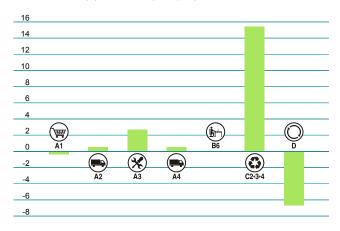
Product lifecycle (material cycle):



Carbon footprint:

6.10 %

Global warming potential [kg CO₂-Eq]



Alongside many other environmental indicators, which are listed in the following table, we shall briefly mention the "carbon footprint" here: Summary of the global warming potential (GWP) of fossil and biogenic energy sources/materials and the global warming potential of land use/change of land use. The value is presented in kg CO₂-equivalent. In the "Cradle-to-Gate" assessment, only the global warming potential of phases A1 to A3 (raw material extraction, transport and manufacturing) is considered.

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Detailed results of the lifecycle assessment:

Climate Change Sum of time 2.3.40 [kg CD_2 eq.] 2,82E+00 5,05E-01 0,00E+00 1,55E+01 -6,67E+00 - Climate Change (fossil) [kg CD_2 eq.] 1,41E+01 5,02E-01 0,00E+00 1,35E+00 -6,65E+00 - Climate Change (land use change) [kg CD_2 eq.] 3,10E-02 2,10E-03 0,00E+00 2,22E-03 -2,61E-03 Ozone depletion [kg CD_2 eq.] 3,10E-02 2,10E-03 0,00E+00 2,22E-15 -4,83E-14 Acidification terrestrial and freshwater [kole of H+ eq.] 1,12E-01 1,23E-16 0,00E+00 3,83E-03 -2,18E-03 Eutrophication freshwater [kg N eq.] 1,30E-02 1,44E-04 0,90E+00 3,83E-03 -2,18E-03 Eutrophication terrestrial [Mole of N eq.] 1,21E-01 1,75E-03 0,00E+00 3,93E-03 -2,18E-03 Resource use, mieral and metals [kg Sb eq.] 2,28E-06 4,17E-08 0,90E+00 7,92E-08 6,03E-06 Resource use, mieral and metals [kg Sb eq.] 2,28E-01 0,00E+00 1,92E+01 -9,26E+01 W	Environmental impacts	Unit	A1+A2+A3	A4	B6	C2+C3+C4	D
- Climate Change (biogenic) [kg C0 ₂ eq.] -1,13E+01 2,02E-04 0,00E+00 1,41E+01 -1,15E-02 - Climate Change (land use change) [kg C0 ₂ eq.] 3,10E-02 2,10E-03 0,00E+00 2,27E-03 -2,61E-03 Ozone depletion [kg CFC-11 eq.] 7,19E-10 1,23E-16 0,00E+00 2,20E-15 -4,83E-14 Acidification terrestrial and freshwater [Mole of H+ eq.] 4,12E-02 4,64E-04 0,00E+00 7,33E-03 -1,03E-02 Eutrophication terrestrial [Mole of N eq.] 1,21E-01 1,75E-03 0,00E+00 4,20E-02 -2,27E-02 Photochemical ozone formation - human health [kg NMVOC eq.] 3,78E-02 3,82E-04 0,00E+00 9,35E-03 -7,74E-03 Resource use, energy carriers [MJ] 2,02E+02 6,67E+00 0,00E+00 1,47E+00 -9,19E-01 Water scarcity [m ³ world equiv] 7,68E-01 2,16E-03 0,00E+00 1,31E+02 -1,37E+01 Primary energy resources used as raw materials (PERM) MJ 1,38E+02 3,88E-01 0,00E+00 1,37E+01 <t< td=""><td>Climate Change (Sum of lines 2, 3, 4)</td><td>[kg CO₂ eq.]</td><td>2,82E+00</td><td>5,05E-01</td><td>0,00E+00</td><td>1,55E+01</td><td>-6,67E+00</td></t<>	Climate Change (Sum of lines 2, 3, 4)	[kg CO ₂ eq.]	2,82E+00	5,05E-01	0,00E+00	1,55E+01	-6,67E+00
Climate Change (land use change) [kg CO2 eq.] 3,10E-02 2,10E-03 0,00E+00 2,27E-03 -2,61E-03 Ozone depletion [kg CFC-11 eq.] 7,19E-10 1,23E-10 0,00E+00 2,20E-15 -4,83E-14 Acidification terrestrial and freshwater [kg P eq.] 1,41E-04 4,08E-04 0,00E+00 7,83E-03 -1,03E-02 Eutrophication freshwater [kg P eq.] 1,31E-02 1,44E-04 0,00E+00 3,63E-03 -2,18E-03 Eutrophication marine [kg N eq.] 1,21E-01 1,75E-03 0,00E+00 4,20E-02 -2,27E-02 Photochemical ozone formation - human health [kg NMVOC eq.] 3,78E-02 3,82E-04 0,00E+00 7,72E-08 6,03E+00 Resource use, energy carriers [MJ] 2,02E+02 6,67E+00 0,00E+00 1,37E+01 -9,26E+01 Water scarcity [m ³ world equiv] 7,68E-01 2,16E-03 0,00E+00 1,37E+02 -1,30E+02 0,00E+00 1,37E+01 Primary energy resources UPERE) MJ 1,38E+02 3,89E-01 0,00E+00 1,37E+01 0,00E+00	- Climate Change (fossil)	[kg CO ₂ eq.]	1,41E+01	5,02E-01	0,00E+00	1,35E+00	-6,65E+00
Ozone depletion [kg CFC-11 eq.] 7,19E-10 1,23E-16 0,00E+00 2,20E-15 -4,83E-14 Acidification terrestrial and freshwater [Mole of H+ eq.] 4,12E-02 4,64E-04 0,00E+00 7,83E-03 -1,03E-02 Eutrophication freshwater [kg N eq.] 1,41E-04 1,09E-06 0,00E+00 1,44E-06 -5,96E-06 Eutrophication terrestrial [Mole of N eq.] 1,21E-01 1,75E-03 0,00E+00 4,20E-02 -2,27E-02 Photochemical ozone formation - human health [kg Sb eq.] 2,58E-06 4,17E-08 0,00E+00 7,72E-08 -6,03E-06 Resource use, energy carriers [MJ] 2,02E+02 6,67E+00 0,00E+00 1,31E+02 -1,37E+01 Water scarcity [m ³ world equiv.] 7,68E-01 2,16E-03 0,00E+00 1,31E+02 -1,37E+01 Primary energy resources use as raw materials (PERM) MJ 1,38E+02 3,89E-01 0,00E+00 -1,32E+01 -3,26E+01 Non-renewable primary energy resources MJ 1,38E+02 3,89E-01 0,00E+00 -1,32E+01 -1,32E+01	- Climate Change (biogenic)	[kg CO ₂ eq.]	-1,13E+01	2,02E-04	0,00E+00	1,41E+01	-1,15E-02
Acidification terrestrial and freshwater [Mole of H+ eq.] 4,12E-02 4,64E-04 0,00E+00 7,83E-03 -1,03E-02 Eutrophication freshwater [kg P eq.] 1,41E-04 1,09E-06 0,00E+00 1,44E-06 -5,96E-06 Eutrophication marine [kg N eq.] 1,21E-01 1,75E-03 0,00E+00 4,20E-02 -2,27E-02 Photochemical ozone formation - human health [kg NMVOC eq.] 3,78E-02 3,82E-04 0,00E+00 9,35E-03 -7,74E-03 Resource use, mineral and metals [kg Sb eq.] 2,58E-06 4,17E-08 0,00E+00 1,92E+01 Water scarcity [m ³ world equiv.] 7,68E-01 2,16E-03 0,00E+00 1,92E+01 Resource use Unit A1+A2+A3 A4 B6 C2+C3+C4 D Use of renewable primary energy (PERE) MJ 1,38E+02 3,89E-01 0,00E+00 1,31E+02 -1,37E+01 Primary energy resources Use of non-renewable primary energy (PENRE) MJ 1,30E+02 3,89E-01 0,00E+00 1,05E+00 -1,37E+01 Non-renewable primary energy resources Use of non-renewable primary energy resources (PERT) MJ 2,02E+01	- Climate Change (land use change)	[kg CO ₂ eq.]	3,10E-02	2,10E-03	0,00E+00	2,27E-03	-2,61E-03
Eutrophication freshwater [kg P eq.] 1,41E-04 1,09E-06 0,00E+00 1,44E-06 -5,96E-06 Eutrophication marine [kg N eq.] 1,30E-02 1,44E-04 0,00E+00 3,63E-03 -2,18E-03 Eutrophication terrestrial [Mole of N eq.] 1,21E-01 1,75E-03 0,00E+00 9,35E-03 -2,18E-03 Resource use, mineral and metals [kg S b eq.] 2,58E-06 4,17E-08 0,00E+00 7,72E-08 -6,03E-06 Resource use, energy carriers [MJ] 2,02E+02 6,67E+00 0,00E+00 1,92E+01 -9,26E+01 Water scarcity [m³ world equiv.] 7,68E-01 2,16E-03 0,00E+00 1,37E+02 -1,37E+01 Primary energy resources used as raw materials (PERM) MJ 1,38E+02 3,89E-01 0,00E+00 1,31E+02 -1,37E+01 Primary energy resources MJ 1,38E+02 3,89E-01 0,00E+00 1,31E+02 -1,37E+01 Non-renewable primary energy (PENE) MJ 1,32E+02 6,67E+00 0,00E+00 1,05E+00 -1,32E+01 Non-renewable pr	Ozone depletion	[kg CFC-11 eq.]	7,19E-10	1,23E-16	0,00E+00	2,20E-15	-4,83E-14
Eutrophication marine [kg N eq.] 1,30E-02 1,44E-04 0,00E+00 3,63E-03 -2,18E-03 Eutrophication terrestrial [Mole of N eq.] 1,21E-01 1,75E-03 0,00E+00 4,20E-02 -2,27E-02 Photochemical ozone formation - human health [kg NMVOC eq.] 3,78E-02 3,82E-04 0,00E+00 9,35E-03 -7,74E-03 Resource use, energy carriers [MJ] 2,02E+02 6,67E+00 0,00E+00 1,74E-01 -9,26E+01 Water scarcity [m³ world equiv.] 7,68E-01 2,16E-03 0,00E+00 1,31E+02 -1,37E+01 Primary energy resources used as raw materials (PERM) MJ 1,30E+02 0,00E+00 1,31E+02 -0,00E+00 1,31E+02 -0,00E+00 1,31E+01 -9,26E+01 Non-renewable primary energy (PERE) MJ 1,30E+02 0,00E+00 0,00E+00 1,31E+02 -0,37E+01 Use of renewable primary energy resources MJ 1,32E+02 6,67E+00 0,00E+00 1,05E+00 -1,37E+01 Use of non-renewable primary energy resources MJ 1,32E+02 6,67E+00	Acidification terrestrial and freshwater	[Mole of H+ eq.]	4,12E-02	4,64E-04	0,00E+00	7,83E-03	-1,03E-02
Eutrophication terrestrial [Mole of N eq.] 1,21E-01 1,75E-03 0,00E+00 4,20E-02 -2,27E-02 Photochemical ozone formation - human health [kg NMVOC eq.] 3,78E-02 3,82E-04 0,00E+00 9,35E-03 -7,74E-03 Resource use, energy carriers [MJ] 2,02E+02 6,67E+00 0,00E+00 7,72E-08 -6,03E-06 Resource use, energy carriers [MJ] 2,02E+02 6,67E+00 0,00E+00 1,47E+00 -9,19E-01 Water scarcity [m³ world equiv.] 7,68E-01 2,16E-03 0,00E+00 1,47E+00 -9,19E-01 Resource use Unit A1+A2+A3 A4 B6 C2+C3+C4 D Use of renewable primary energy (PERE) MJ 1,30E+02 0,00E+00 0,00E+00 -1,37E+01 Primary energy resources used as raw materials (PERM) MJ 1,32E+02 6,67E+00 0,00E+00 3,18E+01 -9,26E+01 Non-renewable primary energy resources used as raw materials (PENRM) MJ 2,09E+01 0,00E+00 0,00E+00 0,00E+00 0,00E+00 0,00E+00 0,00E+00 <td>Eutrophication freshwater</td> <td>[kg P eq.]</td> <td>1,41E-04</td> <td>1,09E-06</td> <td>0,00E+00</td> <td>1,44E-06</td> <td>-5,96E-06</td>	Eutrophication freshwater	[kg P eq.]	1,41E-04	1,09E-06	0,00E+00	1,44E-06	-5,96E-06
Photochemical ozone formation - human health [kg NMVOC eq.] 3,78E-02 3,82E-04 0,00E+00 9,35E-03 -7,74E-03 Resource use, mineral and metals [kg Sb eq.] 2,58E-06 4,17E-08 0,00E+00 7,72E-08 -6,03E-06 Resource use, energy carriers [MJ] 2,02E+02 6,67E+00 0,00E+00 1,09E+01 -9,26E+01 Water scarcity [m³ world equiv.] 7,68E-01 2,16E-03 0,00E+00 1,47E+00 -9,19E-01 Resource use Unit A1+A2+A3 A4 B6 C2+C3+C4 D Use of renewable primary energy (PERE) MJ 1,38E+02 3,89E-01 0,00E+00 -1,37E+01 Primary energy resources used as raw materials (PERM) MJ 1,30E+02 0,00E+00 0,00E+00 -1,37E+01 Non-renewable primary energy resources used as raw materials (PENRE) MJ 1,82E+02 6,67E+00 0,00E+00 1,09E+01 -9,26E+01 Non-renewable primary energy resources used as raw materials (PENRM) MJ 2,09E+01 0,00E+00 0,00E+00 0,00E+00 0,00E+00	Eutrophication marine	[kg N eq.]	1,30E-02	1,44E-04	0,00E+00	3,63E-03	-2,18E-03
Resource use, mineral and metals [kg Sb eq.] 2,58E-06 4,17E-08 0,00E+00 7,72E-08 -6,03E-06 Resource use, energy carriers [MJ] 2,02E+02 6,67E+00 0,00E+00 1,09E+01 -9,26E+01 Water scarcity [m³ world equiv.] 7,68E-01 2,16E-03 0,00E+00 1,47E+00 -9,19E-01 Resource use Unit A1+A2+A3 A4 B6 C2+C3+C4 D Use of renewable primary energy (PERE) MJ 1,38E+02 3,89E-01 0,00E+00 -1,30E+02 -1,37E+01 Primary energy resources used as raw materials (PERM) MJ 1,32E+02 3,69E-01 0,00E+00 -1,37E+01 Use of non-renewable primary energy resources MJ 1,82E+02 6,67E+00 0,00E+00 -1,37E+01 Non-renewable primary energy resources Used as raw materials (PENRM) MJ 2,09E+01 0,00E+00 0,00E+00 1,09E+01 -9,26E+01 Non-renewable primary energy resources (PENRT) MJ 2,09E+01 0,00E+00 0,00E+00 0,00E+00 0,00E+00 0,00E+00 0,00E+00	Eutrophication terrestrial	[Mole of N eq.]	1,21E-01	1,75E-03	0,00E+00	4,20E-02	-2,27E-02
Resource use, energy carriers [MJ] 2,02E+02 6,67E+00 0,00E+00 1,09E+01 -9,26E+01 Water scarcity [m³ world equiv.] 7,68E-01 2,16E-03 0,00E+00 1,47E+00 -9,19E-01 Resource use Unit A1+A2+A3 A4 B6 C2+C3+C4 D Use of renewable primary energy resources used as raw materials (PERM) MJ 1,30E+02 0,00E+00 0,00E+00 1,31E+02 -1,37E+01 Primary energy resources used as raw materials (PERM) MJ 1,30E+02 0,00E+00 0,00E+00 1,05E+00 -1,37E+01 Use of non-renewable primary energy resources (PERT) MJ 2,67E+02 3,69E-01 0,00E+00 3,18E+01 -9,26E+01 Non-renewable primary energy resources used a raw materials (PENRM) MJ 2,09E+01 0,00E+00 3,08E+01 0,00E+00 3,18E+01 -9,26E+01 Input of secondary material (SM MJ 2,09E+01 0,00E+00	Photochemical ozone formation - human healt	h [kg NMVOC eq.]	3,78E-02	3,82E-04	0,00E+00	9,35E-03	-7,74E-03
Water scarcity [m³ world equiv.] 7,68E-01 2,16E-03 0,00E+00 1,47E+00 -9,19E-01 Resource use Unit A1+A2+A3 A4 B6 C2+C3+C4 D Use of renewable primary energy (PERE) MJ 1,38E+02 3,89E-01 0,00E+00 1,31E+02 -1,37E+01 Primary energy resources used as raw materials (PERM) MJ 1,30E+02 0,00E+00 0,00E+00 -1,30E+02 0,00E+00 1,05E+00 -1,37E+01 Use of renewable primary energy resources (PERT) MJ 2,67E+02 3,89E-01 0,00E+00 1,05E+00 -1,37E+01 Use of non-renewable primary energy resources used as raw materials (PENRM) MJ 1,82E+02 6,67E+00 0,00E+00 -2,09E+01 0,00E+00 Total use of non-renewable primary energy resources (PENRT) MJ 2,03E+02 6,67E+00 0,00E+00 1,09E+01 -9,26E+01 Input of secondary material (SM) MJ 3,96E+00 0,00E+00 0,00E+00 0,00E+00 0,00E+00 0,00E+00 0,00E+00 0,00E+00 0,00E+00 0,00E+00 0,00E+00 <td>Resource use, mineral and metals</td> <td>[kg Sb eq.]</td> <td>2,58E-06</td> <td>4,17E-08</td> <td>0,00E+00</td> <td>7,72E-08</td> <td>-6,03E-06</td>	Resource use, mineral and metals	[kg Sb eq.]	2,58E-06	4,17E-08	0,00E+00	7,72E-08	-6,03E-06
Resource use Unit A1+A2+A3 A4 B6 C2+C3+C4 D Use of renewable primary energy (PERE) MJ 1,38E+02 3,89E-01 0,00E+00 1,31E+02 -1,37E+01 Primary energy resources used as raw materials (PERM) MJ 1,30E+02 0,00E+00 -1,30E+02 0,00E+00 -1,30E+02 0,00E+00 -1,37E+01 Use of renewable primary energy resources (PERT) MJ 2,67E+02 3,89E-01 0,00E+00 -1,37E+01 -9,26E+01 Non-renewable primary energy resources MJ 1,82E+02 6,67E+00 0,00E+00 -2,09E+01 0,00E+00 0,00E+00 -2,09E+01 -2,09E+01 0,00E+00 0,00E+00 -2,09E+01 -2,09E+01 1,92E+01 -2,09E+01 -2,09E+01 -2,09E+01 -2,09E+01 -2,09E+01 <td< td=""><td>Resource use, energy carriers</td><td>[MJ]</td><td>2,02E+02</td><td>6,67E+00</td><td>0,00E+00</td><td>1,09E+01</td><td>-9,26E+01</td></td<>	Resource use, energy carriers	[MJ]	2,02E+02	6,67E+00	0,00E+00	1,09E+01	-9,26E+01
Use of renewable primary energy (PERE) MJ 1,38E+02 3,89E-01 0,00E+00 1,31E+02 -1,37E+01 Primary energy resources used as raw materials (PERM) MJ 1,30E+02 0,00E+00 0,00E+00 -1,30E+02 0,00E+00 Total use of renewable primary energy resources (PERT) MJ 2,67E+02 3,89E-01 0,00E+00 1,05E+00 -1,37E+01 Use of non-renewable primary energy (PENRE) MJ 1,82E+02 6,67E+00 0,00E+00 3,18E+01 -9,26E+01 Non-renewable primary energy resources used as raw materials (PENRM) MJ 2,09E+01 0,00E+00 0,00E+00 -2,09E+01 0,00E+00 Total use of non-renewable primary energy resources (PENRT) MJ 3,96E+00 0,00E+00 0,00E+00 <td>Water scarcity</td> <td>[m³ world equiv.]</td> <td>7,68E-01</td> <td>2,16E-03</td> <td>0,00E+00</td> <td>1,47E+00</td> <td>-9,19E-01</td>	Water scarcity	[m ³ world equiv.]	7,68E-01	2,16E-03	0,00E+00	1,47E+00	-9,19E-01
Use of renewable primary energy (PERE) MJ 1,38E+02 3,89E-01 0,00E+00 1,31E+02 -1,37E+01 Primary energy resources used as raw materials (PERM) MJ 1,30E+02 0,00E+00 0,00E+00 -1,30E+02 0,00E+00 Total use of renewable primary energy resources (PERT) MJ 2,67E+02 3,89E-01 0,00E+00 1,05E+00 -1,37E+01 Use of non-renewable primary energy (PENRE) MJ 1,82E+02 6,67E+00 0,00E+00 3,18E+01 -9,26E+01 Non-renewable primary energy resources used as raw materials (PENRM) MJ 2,09E+01 0,00E+00 0,00E+00 -2,09E+01 0,00E+00 Total use of non-renewable primary energy resources (PENRT) MJ 3,96E+00 0,00E+00 0,00E+00 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>							
Primary energy resources used as raw materials (PERM) MJ 1,30E+02 0,00E+00 -1,30E+02 0,00E+00 Total use of renewable primary energy resources (PERT) MJ 2,67E+02 3,89E-01 0,00E+00 1,05E+00 -1,37E+01 Use of non-renewable primary energy (PENRE) MJ 1,82E+02 6,67E+00 0,00E+00 3,18E+01 -9,26E+01 Non-renewable primary energy resources used as raw materials (PENRM) MJ 2,09E+01 0,00E+00 0,00E+00 -2,09E+01 0,00E+00 Total use of non-renewable primary energy resources (PENRT) MJ 2,03E+02 6,67E+00 0,00E+00 1,09E+01 -9,26E+01 Input of secondary material (SM) MJ 3,96E+00 0,00E+00	Resource use	Unit	A1+A2+A3	A4	B6		
Total use of renewable primary energy resources (PERT) MJ 2,67E+02 3,89E-01 0,00E+00 1,05E+00 -1,37E+01 Use of non-renewable primary energy (PENRE) MJ 1,82E+02 6,67E+00 0,00E+00 3,18E+01 -9,26E+01 Non-renewable primary energy resources used as raw materials (PENRM) MJ 2,09E+01 0,00E+00 0,00E+00 -2,09E+01 0,00E+00 Total use of non-renewable primary energy resources (PENRT) MJ 2,03E+02 6,67E+00 0,00E+00 1,09E+01 -9,26E+01 Input of secondary material (SM) MJ 3,96E+00 0,00E+00 0,00E+				3,89E-01	0,00E+00	1,31E+02	-1,37E+01
Use of non-renewable primary energy (PENRE) MJ 1,82E+02 6,67E+00 0,00E+00 3,18E+01 -9,26E+01 Non-renewable primary energy resources used as raw materials (PENRM) MJ 2,09E+01 0,00E+00 0,00E+00 2,09E+01 0,00E+00 Total use of non-renewable primary energy resources (PENRT) MJ 2,03E+02 6,67E+00 0,00E+00 1,09E+01 -9,26E+01 Input of secondary material (SM) MJ 3,96E+00 0,00E+00	Primary energy resources used as raw material	s (PERM) MJ	1,30E+02	0,00E+00	0,00E+00	-1,30E+02	0,00E+00
Non-renewable primary energy resources used as raw materials (PENRM) MJ 2,09E+01 0,00E+00 -2,09E+01 0,00E+00 Total use of non-renewable primary energy resources (PENRT) MJ 2,03E+02 6,67E+00 0,00E+00 1,09E+01 -9,26E+01 Input of secondary material (SM) MJ 3,96E+00 0,00E+00 1,23E-01 </td <td>Total use of renewable primary energy resource</td> <td>es (PERT) MJ</td> <td>2,67E+02</td> <td>3,89E-01</td> <td>0,00E+00</td> <td>1,05E+00</td> <td>-1,37E+01</td>	Total use of renewable primary energy resource	es (PERT) MJ	2,67E+02	3,89E-01	0,00E+00	1,05E+00	-1,37E+01
used as raw materials (PENRM) MJ 2,09E+01 0,00E+00 -2,09E+01 0,00E+00 Total use of non-renewable primary energy resources (PENRT) MJ 2,03E+02 6,67E+00 0,00E+00 1,09E+01 -9,26E+01 Input of secondary material (SM) MJ 3,96E+00 0,00E+00 0,00E+0	Use of non-renewable primary energy (PENRE)	MJ	1,82E+02	6,67E+00	0,00E+00	3,18E+01	-9,26E+01
Total use of non-renewable primary energy resources (PENRT) MJ 2,03E+02 6,67E+00 0,00E+00 1,09E+01 -9,26E+01 Input of secondary material (SM) MJ 3,96E+00 0,00E+00 0,0	Non-renewable primary energy resources						
Input of secondary material (SM) MJ 3,96E+00 0,00E+00 0,00E	used as raw materials (PENRM)	MJ	2,09E+01	0,00E+00	0,00E+00	-2,09E+01	0,00E+00
Use of renewable secondary fuels (RSF) MJ 0,00E+00 <th< td=""><td>Total use of non-renewable primary energy res</td><td>ources (PENRT) MJ</td><td>2,03E+02</td><td>6,67E+00</td><td>0,00E+00</td><td>1,09E+01</td><td>-9,26E+01</td></th<>	Total use of non-renewable primary energy res	ources (PENRT) MJ	2,03E+02	6,67E+00	0,00E+00	1,09E+01	-9,26E+01
Use of non renewable secondary fuels (NRSF) MJ 0,00E+00	Input of secondary material (SM)	MJ	3,96E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Use of net fresh water (FW) MJ 5,65E-02 3,48E-04 0,00E+00 3,49E-02 -2,90E-02 Output flows and waste categories Unit A1+A2+A3 A4 B6 C2+C3+C4 D Hazardous waste disposed (HWD) kg 6,94E-06 2,49E-07 0,00E+00 2,52E-07 -2,25E-08 Non-hazardous waste disposed (NHWD) kg 2,20E-01 1,17E-03 0,00E+00 2,00E-04 -5,35E-03 Components for re-use (CRU) kg 0,00E+00 0,00E+00 0,00E+00 0,00E+00 0,00E+00 0,00E+00 Materials for Recycling (MFR) kg 0,00E+00 0,00E+00 0,00E+00 0,00E+00 0,00E+00 0,00E+00 0,00E+00 0,00E+00	Use of renewable secondary fuels (RSF)	MJ	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Output flows and waste categories Unit A1+A2+A3 A4 B6 C2+C3+C4 D Hazardous waste disposed (HWD) kg 6,94E-06 2,49E-07 0,00E+00 2,52E-07 -2,25E-08 Non-hazardous waste disposed (NHWD) kg 2,20E-01 1,17E-03 0,00E+00 1,23E-01 2,24E-01 Radioactive waste disposed (RWD) kg 4,12E-03 7,03E-06 0,00E+00 2,00E-04 -5,35E-03 Components for re-use (CRU) kg 0,00E+00 0,00E+00 0,00E+00 0,00E+00 0,00E+00 0,00E+00 Materials for Recycling (MFR) kg 3,06E-01 0,00E+00 0,00E+00 0,00E+00 0,00E+00 0,00E+00	Use of non renewable secondary fuels (NRSF)	MJ	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Hazardous waste disposed (HWD) kg 6,94E-06 2,49E-07 0,00E+00 2,52E-07 -2,25E-08 Non-hazardous waste disposed (NHWD) kg 2,20E-01 1,17E-03 0,00E+00 1,23E-01 2,24E-01 Radioactive waste disposed (RWD) kg 4,12E-03 7,03E-06 0,00E+00 2,00E-04 -5,35E-03 Components for re-use (CRU) kg 0,00E+00 0,00E+00 0,00E+00 0,00E+00 0,00E+00 Materials for Recycling (MFR) kg 0,00E+00 0,00E+00 0,00E+00 0,00E+00 0,00E+00 0,00E+00 Material for Energy Recovery (MER) kg 0,00E+00 0,00E+00 0,00E+00 0,00E+00 0,00E+00	Use of net fresh water (FW)	MJ	5,65E-02	3,48E-04	0,00E+00	3,49E-02	-2,90E-02
Hazardous waste disposed (HWD) kg 6,94E-06 2,49E-07 0,00E+00 2,52E-07 -2,25E-08 Non-hazardous waste disposed (NHWD) kg 2,20E-01 1,17E-03 0,00E+00 1,23E-01 2,24E-01 Radioactive waste disposed (RWD) kg 4,12E-03 7,03E-06 0,00E+00 2,00E-04 -5,35E-03 Components for re-use (CRU) kg 0,00E+00 0,00E+00 0,00E+00 0,00E+00 0,00E+00 Materials for Recycling (MFR) kg 0,00E+00 0,00E+00 0,00E+00 0,00E+00 0,00E+00 0,00E+00 Material for Energy Recovery (MER) kg 0,00E+00 0,00E+00 0,00E+00 0,00E+00 0,00E+00							
Non-hazardous waste disposed (NHWD) kg 2,20E-01 1,17E-03 0,00E+00 1,23E-01 2,24E-01 Radioactive waste disposed (RWD) kg 4,12E-03 7,03E-06 0,00E+00 2,00E-04 -5,35E-03 Components for re-use (CRU) kg 0,00E+00 0,00E+00 0,00E+00 0,00E+00 0,00E+00 Materials for Recycling (MFR) kg 3,06E-01 0,00E+00 0,00E+00 0,00E+00 0,00E+00 Material for Energy Recovery (MER) kg 0,00E+00 0,00E+00 0,00E+00 0,00E+00 0,00E+00 0,00E+00	Output flows and waste categories	Unit	A1+A2+A3	A4	B6	C2+C3+C4	D
Radioactive waste disposed (RWD) kg 4,12E-03 7,03E-06 0,00E+00 2,00E-04 -5,35E-03 Components for re-use (CRU) kg 0,00E+00	Hazardous waste disposed (HWD)	kg	6,94E-06	2,49E-07	0,00E+00	2,52E-07	-2,25E-08
Components for re-use (CRU) kg 0,00E+00	Non-hazardous waste disposed (NHWD)	kg	2,20E-01	1,17E-03	0,00E+00	1,23E-01	2,24E-01
Materials for Recycling (MFR) kg 3,06E-01 0,00E+00 0,00E+00 1,45E+00 0,00E+00 Material for Energy Recovery (MER) kg 0,00E+00	Radioactive waste disposed (RWD)		4,12E-03	7,03E-06	0,00E+00	2,00E-04	-5,35E-03
Material for Energy Recovery (MER) kg 0,00E+00 0	Components for re-use (CRU)	kg	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
	Materials for Recycling (MFR)	kg	3,06E-01	0,00E+00	0,00E+00	1,45E+00	0,00E+00
Exported electrical energy (EEE) kg 2,00E-02 0,00E+00 0,00E+00 1,79E+01 0,00E+00	Material for Energy Recovery (MER)	kg	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
	Exported electrical energy (EEE)	kg	2,00E-02	0,00E+00	0,00E+00	1,79E+01	0,00E+00
Exported thermal energy (EET) kg 4,60E-02 0,00E+00 0,00E+01 0,00E+00	Exported thermal energy (EET)	kg	4,60E-02	0,00E+00	0,00E+00	3,19E+01	0,00E+00

The life cycle assessment was prepared in accordance with DIN EN 15804 + A2.

The data sets on which the preceding calculations are based were taken from the GaBi database (version 2020.2). The LCA model was created by Sphera Solutions GmbH, Hauptstraße 111-113, 70771 Leinfelden-Echterdingen.



Sustainability at VS:

Corporate principles:

VS considers the responsible use of the natural resources in the environment to constitute an important corporate principle. One of the main aims of the environmental policy at VS is to minimize environmental impacts at the production site and to be able to offer our customers products that are manufactured in a way that preserves the environment as much as possible. We at VS consider our obligation to the natural environment to include:

- the protection of the environment, our employees and our customers by preventing harmful influences during the manufacture, use and disposal of our products
- preventing or minimising emissions and waste
- minimizing the consumption of the natural resources water, ground and air
- being economical in our consumption of materials in all manufacturing sectors (recirculation)
- environmentally-oriented material selection and the modular design of VS products in order to facilitate recycling
- avoidance of unnecessarily long transport paths by preferring to work with suppliers in Germany and neighbouring countries
- ensuring that VS products are particularly long-lived through wide-ranging wear parts replacement capabilities by the VS Spare Parts Service
- option for a "second life" for furniture that is taken back and reworked and sold in the in-house factory sales area

Certification of our management systems:

Certification of our management systems in accordance with the specifications set out in DIN EN ISO 9001, DIN EN ISO 14001 and DIN EN ISO 50001 documents the high performance levels of our quality objectives, environmental protection measures and the measures taken to save energy and reduce CO_2 emissions.







VS has been committed to the principles of the Global Compact since September 2008. The principles of the United Nations regarding human rights, working conditions, the environment and the fight against corruption.



Conformity:

VS's products comply with the REACH regulation and are also RoHS-compliant: they do not contain any materials from Annex XIV (1907/2006/EC) or the SVHC candidate list exceeding the limit value of 1000 ppm. Electrical components have been registered by VS under WEEE reg. no. DE 45470288 or by our suppliers in accordance with the German law on electrical and electronic equipment.

Contribution to building certifications:

VS products can help achieve desired building certification in accordance with LEED, WELL, etc. Depending on the selected products, points can be acquired relating to criteria in the fields of recycling/waste elimination or non-toxic constituents/low emissions. Evidence of this can be seen in the form of certificates such as GREENGUARD GOLD or BIFMA e3 level.

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Disclaimer:

Because these are manufacturers' specifications, no liability is accepted! The results of the lifecycle assessments have not been verified.