

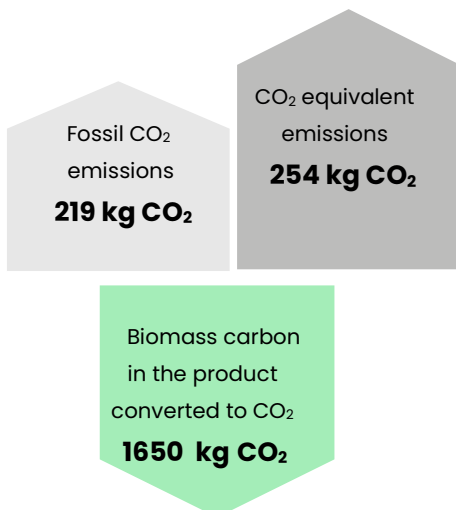


StoraEnso

## Carbon Footprint

### CO<sub>2</sub> equivalent emissions and biogenic carbon stored in the product

Product name:	Perform by Stora Enso
Product segment:	Bleached Eucalyptus Kraft Pulp
Company:	Stora Enso, Biomaterials
Mill:	Veracel, Stora Enso's Joint Operations in Brazil
Reporting Period	1 Jan 2024 – 31 Dec 2024



#### Per tonne of this product:

**219 kg fossil CO<sub>2</sub>**/tonne of product were **emitted** during the manufacturing of this product.

**254 kg CO<sub>2</sub> equivalents** (including fossil CO<sub>2</sub>)/tonne of product were **emitted** during the manufacturing of this product.

This product **contains 450 kg of biomass carbon** per tonne of product equivalent to **1650kg CO<sub>2</sub>**.

This Partial Carbon Footprint has been calculated according to CEPI's (Confederation of European Paper Industries) "Framework for Carbon Footprints for Paper and Board Products" that is based on LCA standardisation (ISO 14040 and 14044). It comprises cradle-to-gate data with direct and indirect GHG emissions as CO<sub>2</sub> equivalents. Detailed information on the Framework can be found at [www.cepi.org](http://www.cepi.org).

**Product specific Carbon Footprint information provided to you is confidential information belonging to Stora Enso. You may not publish or disclose this information to any third party without Stora Enso's written permission.** Whenever checking the above figures against others, comparability of data from both scope/boundaries and calculation perspectives needs to be taken into account. These values may not be utilized as representing Carbon Footprint of any ready-made product converted of our boards. Emissions of subsequent converting, transportation, use and end of life phases shall be evaluated and added by our customers.





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<b>10 Toes of CEPI Framework</b>		<b>Fossil CO<sub>2</sub> (kg/tonne of product)</b>	<b>CO<sub>2</sub> equivalents (kg/tonne of product)</b>	<b>Biogenic CO<sub>2</sub> (kg/tonne of product)</b>
Toe 1	Carbon sequestration in the forest*	0	0	0
Toe 2	Carbon stored in the product			<b>1650</b>
<b>Net sequestration of biomass carbon</b>				<b>1650</b>
Toe 3	Emissions from pulp and board production	<b>81</b>	<b>94</b>	
Toe 4	Emissions associated with producing virgin or recovered fibre	<b>66</b>	<b>73</b>	
Toe 5	Emissions associated with producing other raw materials	<b>48</b>	<b>62</b>	
Toe 6	Emissions associated with purchased or sold electricity and steam	<b>0</b>	<b>0</b>	
Toe 7	Transport-related emissions	<b>24</b>	<b>26</b>	
Toe 8	Emissions attributable to product use (e.g. printing)	-	-	
Toe 9	Emissions attributable to end-of-life-management of products	-	-	
Toe 10	Avoided emissions	-	-	
<b>Total CO<sub>2</sub> emissions</b>		<b>219</b>	<b>254</b>	

\* The level of carbon sequestration used for toe 1 has been set at zero (the net annual variation of carbon), while consensus on data and calculations are still developing in this field. When forests are managed sustainably, carbon stocks are growing or at least equal.

Carbon footprint has been calculated with the most recent Global Warming Potentials according to IPCC (Intergovernmental Panel on Climate Change) 6<sup>th</sup> Assessment Report. The carbon footprint is a single impact category and does not address other potential environmental impacts.

Our products are biogenic and bind carbon from the atmosphere. Bio-based carbon content is based on calculation formula from IPCC, for more information please see Good Practice Guidance for Land Use, Land-Use Change and Forestry. After recycling, at the end of products' life cycle they can replace fossil fuels in energy production.

More detailed description of calculation method and scope is available on request in the separate document.

Stora Enso is committed to drive down GHG emissions according to our targets aligned with the Science Based Target initiative, see [storaenso.com](https://www.storaenso.com)