

# HELLEFOSS PAPER AS CARBON FOOTPRINT

Product Book paper  
Site Hellefoss Paper AS

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## General Hellefoss Paper AS Carbon Footprint Information

Hellefoss Paper AS calculates the Carbon Footprint of its paper products based on the CEPIPRINT and CEPIFINE's user guide to the carbon footprint. (ref). The user guide is based on the Framework for the Development of Carbon Footprints for Paper and Board Products published by CEPI (the Confederation of European Paper Industries) in September 2007 (ref). The forest based industry has a unique position with regard to climate change. The raw material is renewable, the products are highly recyclable and both raw materials and products store carbon. Sustainably managed forests will absorb the carbon dioxide from the combustion of forest based material. At the end of their life cycle the products can be used to produce bioenergy, which is neutral with regard to climate change.

The data used in these calculations is based on annual averages for a paper machine line. The results are measured in units of carbon dioxide equivalents (CO<sub>2</sub>e).

## Hellefoss Paper AS Specific Carbon Footprint Information

The mill is located in Hokksund, Norway.  
Electricity consumption 19MW/Hour  
Production capacity 50000 tonn

## CEPI Carbon Footprinting Elements

	Fossil CO2 (kg/tonne of paper)	Biogenic CO2 (kg/tonne of paper)
<b>1. Carbon sequestration in forests</b> In line with the CEPI framework carbon sequestration is currently not included in product level carbon footprint calculations. Forest certification and Chain of custody systems assure that forests are managed sustainably and that the carbon sequestration capacity of the forest is maintained or increased.		N/A
<b>2. Carbon stored in the product</b> Biogenic carbon is stored in wood based products. Through paper recycling the carbon stored in products is retained in the paper cycle.		1615
<b>3. GHG from forest product manufacturing facilities</b> Emissions from combustion of fossil fuels at pulp and paper manufacturing facilities including emissions related to purchased pulp.	13	
<b>4. GHG emissions associated with generating the supply of wood or recovered fibre</b> For wood fibre this includes emissions from forest management and harvesting activities. For recovered fibres this includes emissions from the collection, sorting and processing of recovered fibre.	13	
<b>5. GHG emissions associated with producing other raw materials</b> Includes emissions generated during manufacturing of non-wood based raw materials and fuels.	47	
<b>6. GHG emissions associated with purchased electricity and steam</b> Includes emissions associated with purchased electricity, steam and heat used in the production process, including emissions related to production of purchased pulp.	17	
<b>7. Transport related GHG emissions</b> Includes emissions from all in- and outbound transport along the value chain except transport to customers which is calculated case by case.	5	
<b>8. GHG emissions associated with product use</b> This element is not included within our scope as paper producer.	N/A	
<b>9. Emissions associated with product end-of-life</b> This element is not included within our scope as paper producer.	N/A	
<b>10. Avoided emissions</b> This element is currently not included in our scope.	N/A	
<b>TOTAL</b>	<b>95</b>	

