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Product to be Optimized: noraplan 913 2.0mm

## Impact information and Reduction Summary

<b>Manufacturer:</b>	nora systems GmbH
<b>Manufacturer Contact Information:</b>	Saskia Holschuh, Product Manager noraplan, nora systems GmbH, Weinheim <a href="mailto:saskia.holschuh@nora.com">saskia.holschuh@nora.com</a>
<b>Product Name:</b>	noraplan 913 (2.0mm)
<b>Product Type:</b>	Commercial Building Product
<b>Product Description:</b>	Resilient floor covering from rubber
<b>Manufacturing Location:</b>	Germany
<b>Title of the Environmental Product Declaration that the Assessment is Based Upon:</b>	noraplan 913, resilient floor covering from rubber-according to EN 1817
<b>Life Cycle Assessment/ Environmental Product Declaration Type:</b>	<ul style="list-style-type: none"> <li>▪ Publicly available, critically reviewed LCA (conforming to ISO 14044)</li> <li>▪ Internally verified LCA with a product specific EPD (conforming to ISO 14025, EN 15804, or ISO 21930)</li> <li>▪ Product specific Type III EPD (external verification of LCA and EPD)</li> </ul>
<b>Link to publicly available EPD</b>	Retrieved from <a href="https://epd-online.com/EmbeddedEpdList/Download/10817">https://epd-online.com/EmbeddedEpdList/Download/10817</a>
<b>PCR:</b>	IBU and UL Environment. Floor coverings, 02/2018 (PCR checked and approved by the SVR)
<b>Date of EPD:</b>	December 06, 2018

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### Scope:

**Describe how the scope of the EPD aligns with actions identified in this Action Plan**

**LCA Software and Version:**

**LCA Dataset:**

**Action Plan Creation Date:**

**Action Plan Expiration Date:**

**Is this Action Plan applicable to all products listed in the corresponding EPD, or only a subset?**

**Summary of Largest Life Cycle Impacts identified in the Analysis**

### Narrative Description of the Impact Areas Targeted for Reduction



DESCRIPTION OF THE SYSTEM BOUNDARY (X = INCLUDED IN LCA; MND = MODULE NOT DECLARED)																
PRODUCT STAGE			CONSTRUCTION PROCESS STAGE	USE STAGE							END OF LIFE STAGE			BENEFITS AND LOADS BEYOND THE SYSTEM BOUNDARIES		
Raw material supply	Transport	Manufacturing	Transport from the gate to the site	Assembly	Use	Maintenance	Repair	Replacement	Refurbishment	Operational energy use	Operational water use	De-construction demolition	Transport	Waste processing	Disposal	Reuse-Recovery-Recycling-potential
A1	A2	A3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4	D
X	X	X	X	X	MND	X	MNR	MNR	MNR	MND	MND	X	X	X	MND	X

The specific actions identified in the Action Plan were identified through investigation of delivery module A1 (Raw Material Supply), which was required in the PCR, analyzed in the LCA, and presented in the EPD.

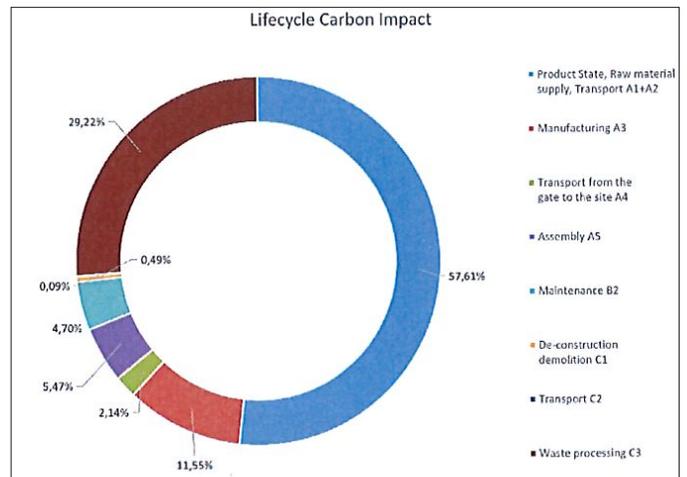
GaBi v8

GaBi Service Pack 36

February 10, 2021

December 31, 2023 or until publication of revised product specific EPD

Yes, all products



Analysis data taken from 2018 EPD LCA data.

Analysis of LCA data shows that over half of the GWP impact of making this product is in the Raw Material Extraction and Process stage (A1). Therefore, the greatest opportunity for substantial reduction of GWP is in changing the type of raw materials used in the formulation to lower GWP materials, working with suppliers to change the GHG intensity of the processes used to extract and process the raw materials used to make noraplan 913 or to increase the overall yield in production process. We estimate that planned reformulation of noraplan 913 to replace higher GWP raw materials with lower GWP materials and optimizing production process will reduce product GWP by at least 10% by December 2023.

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**Impact information and Reduction Summary**

Specific steps	Optimization Description	Responsible Team	Timeline
	Confirm performance and availability of alternative raw materials	Procurement/R&D	By December 2021
	Reformulation of rubber to incorporate lower GWP raw materials	R&D/ Manufacturing	By December 2023

**This Action Plan was prepared by:**

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R&D  
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**This Action Plan was confirmed by:**

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