



Material innovation with an ecological advantage

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Yes, it's wood.

Woodio has created the world's first fully waterproof wood composite, offering an alternative to ceramics and solid surface materials.



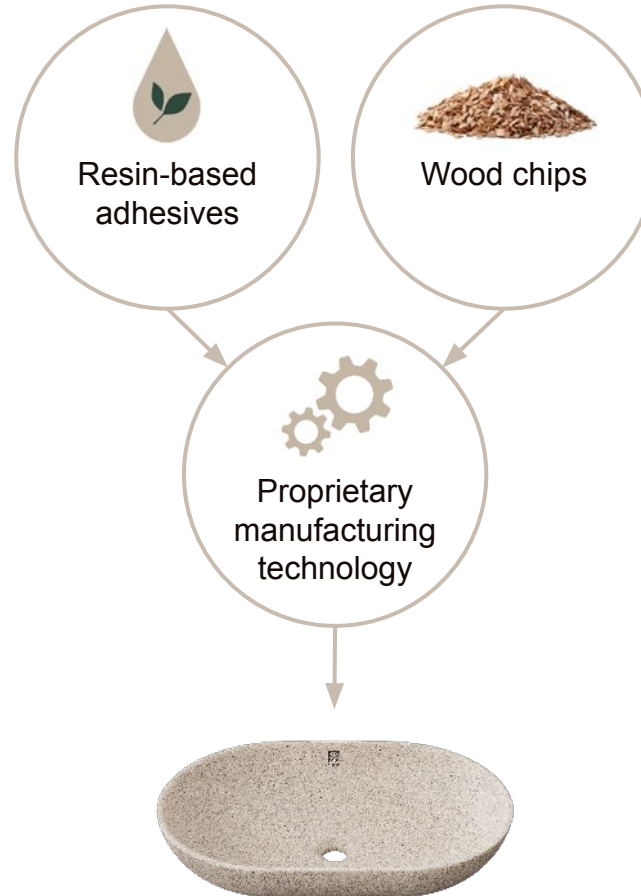
Forerunner in sustainable building

Nordic renewable wood as main raw material, mixed with adhesive

- By volume, the material is composed of 70% wood chips and 30% resin-based adhesive
- Bio-based content is targeted to reach 60% of material weight in 2025, with levels increasing gradually over time
- Wood chips sourced from PEFC- and FSC-certified, sustainably managed forests in Estonia, as well as from Finnish forest industry side streams

Production with a significantly lower environmental impact and carbon footprint

- No water used
- No high-temperature or energy intensive phases required
- Very little waste generated
- Material waste is co-processed in cement production
- End material is lighter



Afterlife

- At the end of its lifecycle, the product can be disposed of as combustible waste
- Alternatively, it can be returned to Woodio or directly to Kuusakoski for crushing and reuse in cement production

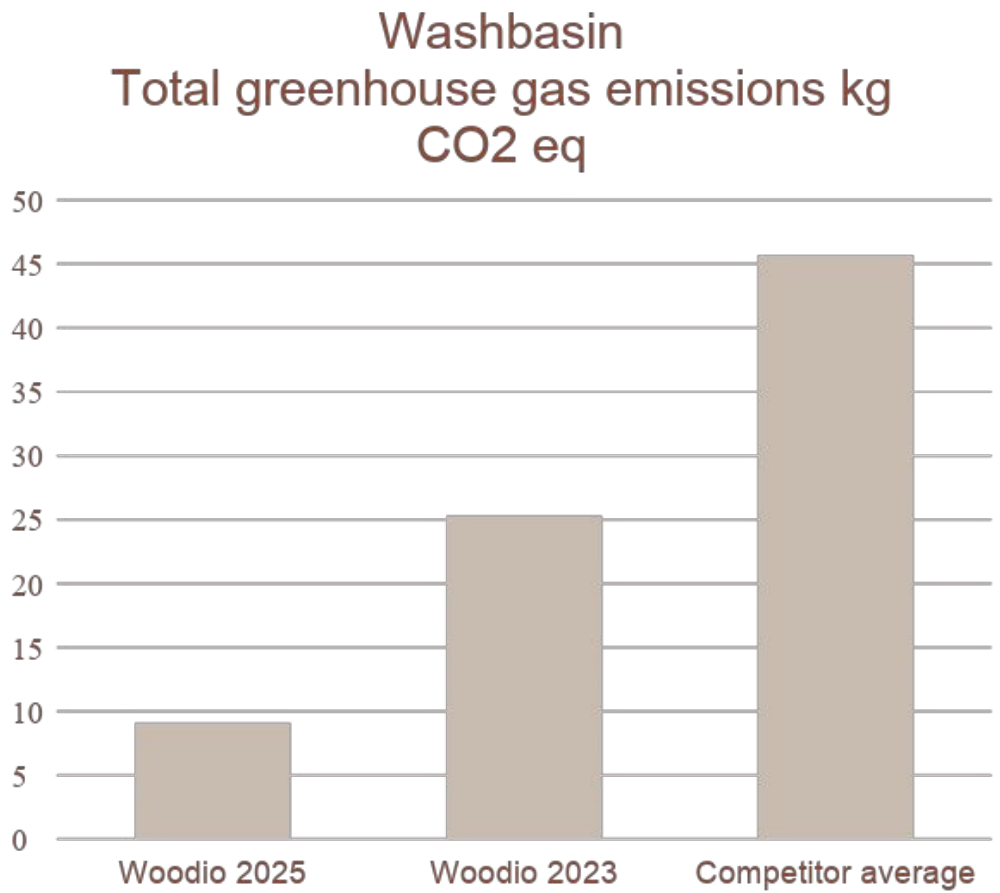
Long service life

- Shock-resistant material
- Dirt-repellent surface; easy to keep clean without chemicals
- Material stores CO₂ throughout its service life
- Durable, functional design

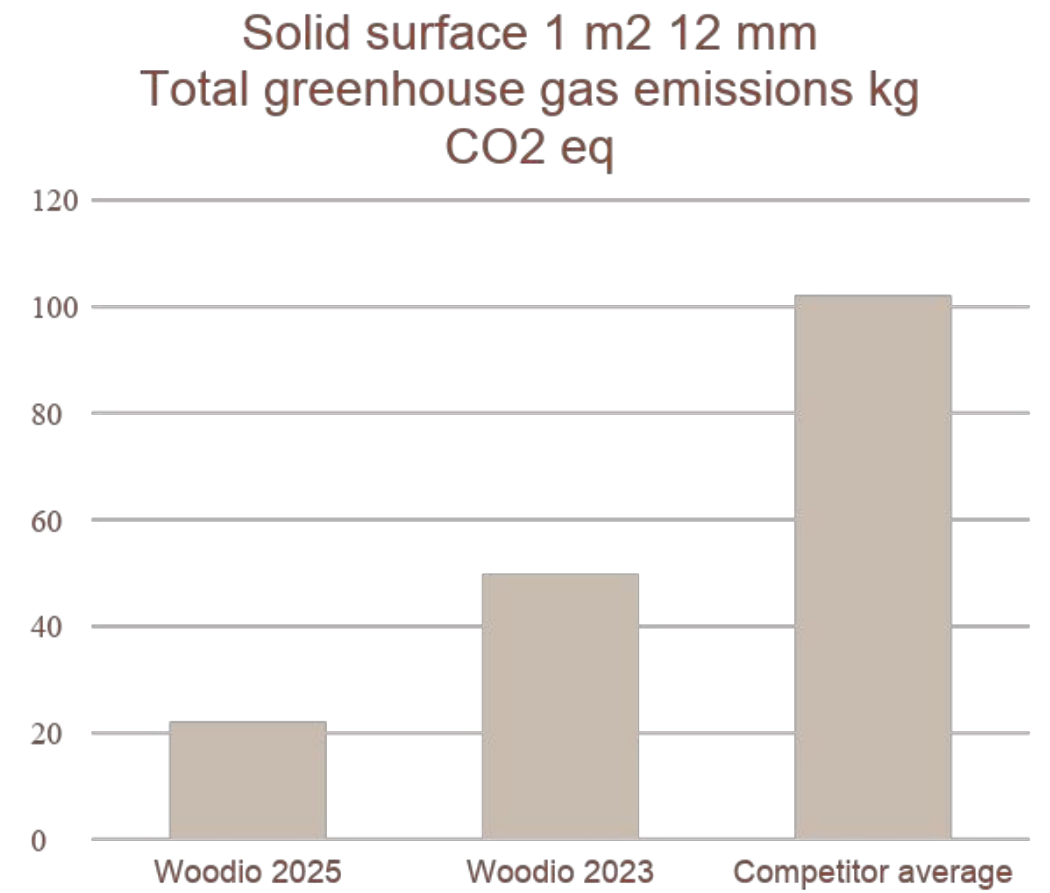
Our Sustainability Claims Backed by latest EPD

- "Our manufacturing process does not require extreme heat, generates minimal material waste, and uses water only for coloring of wood chips. Thanks to these factors, the carbon footprint of producing one Woodio washbasin is today on average 90% smaller than for producing a traditional ceramic basin.
- "The Global Warming Potential (GWP) of Woodio products today, when looking at the whole life cycle, is up to 80% smaller than that of comparable ceramic and stone-based products, and we are committed to further lowering our material's carbon emissions in the future."

Woodio products have an up to 80% lower carbon footprint (LCA) than products made of traditional materials



Woodio SS60T washbasin compared to competitors' equivalent ceramic basin models



1m2 of Woodio 12 mm thick Solid-sheet compared to competitors' equivalent stone composites

Woodio vs. Ceramic Basins

(kgCO2e/washbasin)		Raw material supply	Transport	Manufacturing	Product stage	De-construction, demolition	Transport	Waste processing	Disposal	End of Life	Resource recovery	Total (D excluded)	Total (D included)		Woodio vs. (A1-A3)	Woodio vs. (Total)
		A1	A2	A3	A1-A3	C1	C2	C3	C4	C1-C4	D	A1-C4	A1-D			
Woodio (5/25)	GWP, Total	1,85	1,25	0,14	3,24	0,00	0,39	8,00	0,00	8,39	-2,55	11,63	9,08			
Competitor A (12/23)	GWP, Total	0,84	0,51	42,19	43,54	0,00	0,07	4,00	9,49	13,56	0,00	57,10	57,10		93 %	84 %
Competitor B (6/21)	GWP, Total	32,98	2,91	1,74	37,63	0,00	0,21	0,00	0,22	0,43	0,00	38,06	38,06		91 %	76 %
Competitor C (01/22)	GWP, Total	27,63	2,32	10,06	40,01	0,00	1,90	0,00	0,08	1,98	0,00	41,99	41,99		92 %	78 %
Competitor average	GWP, Total				40,39								45,72		Average	
															92 %	79 %

Woodio SS60T washbasin compared to competitors' equivalent ceramic basin models

Woodio vs. solid surfaces

(kgCO2e/m2)		Raw material supply	Transport	Manufacturing	Product stage	De-construction, demolition	Transport	Waste processing	Disposal	End of Life	Resource recovery	Total (D excluded)	Total (D included)		Woodio vs. (A1-A3)	Woodio vs. (Total)
		A1	A2	A3	A1-A3	C1	C2	C3	C4	C1-C4	D	A1-C4	A1-D			
Woodio (5/25)	GWP, Total	4,50	3,05	0,33	7,88	0,00	0,96	19,42	0,00	20,38	-6,19	28,25	22,06			
Competitor 1 (7/24)	GWP, Total	N/A	N/A	N/A	67,50	0,00	0,00	10,60	0,37	10,97	0,00	78,47	78,47		88 %	72 %
Competitor 2 (9/23)	GWP, Total	N/A	N/A	N/A	80,98	0,00	0,00	0,00	1,34	1,34	0,00	82,32	82,32		90 %	73 %
Competitor 3 (8/23)	GWP, Total	81,60	N/A	28,30	109,90	0,00	0,00	0,00	1,14	1,14	0,00	111,04	111,04		93 %	80 %
Competitor 4 (6/23)	GWP, Total	N/A	N/A	N/A	110,00	0,00	0,19	0,00	1,36	1,55	0,00	111,55	111,55		93 %	80 %
Competitor 5 (10/23)	GWP, Total	82,30	1,53	42,90	126,73	0,00	0,13	0,00	0,24	0,37	0,00	127,10	127,10		94 %	83 %
Competitor average	GWP, Total				99,02								102,10		Average	
															91 %	76 %

1m2 of Woodio 12 mm thick Solid-sheet compared to competitors' equivalent solid composites

Updated EPD available

- New EPD for new generation products
 - Lighter weight
 - Sidestream chips
 - 50% bio-resin
- EPD is third-party approved
- Competitor check done internally

