

There's a future in front of us.



Factsheet WasteBasedBricks

February 2026

FRONT® Sustainable
Building
Materials

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Contact

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WasteBasedBricks

The WasteBasedBrick is a façade brick made from 60% waste streams and has a reduced carbon footprint compared to traditional brick. It gives a building the familiar aesthetic and technical quality of traditional brick, but in a more sustainable way.

With this product, we offer clients a concrete tool to achieve their CO₂ and circularity targets, while maintaining the quality and applicability required for façade construction.

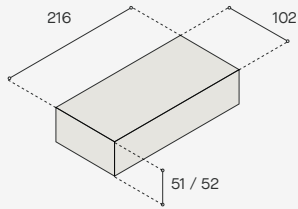
The WasteBasedBrick contributes to achieving a lower GWP. Additionally it performs well on Paris Proof indicators, and has a proven high level of circularity. The WasteBasedBrick is produced by DC Bricks in the Netherlands.

Product USP's

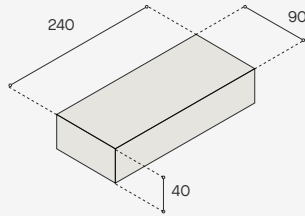
- Made from 60% waste, independently validated (BRL 7010 in the NL).
- Saves 60% of virgin raw materials
- Lower GWP compared to traditional brick
- Technically comparable to traditional brick (NL-BSB / NEN-EN 771).

Product information

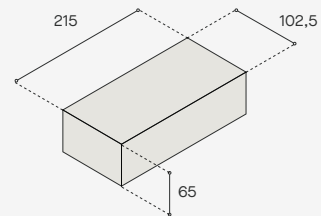
Available sizes



Waal format
216 × 102 × 51/52 mm
T2 — R1



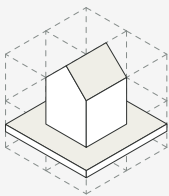
Hilversums format
240 × 90 × 40 mm
T2 — R1



BS format
215 × 102,5 × 65 mm
T2 — R1

Applications

Exterior façades, laid in full bricks.



Colours

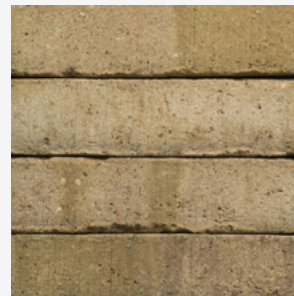
Eight nuanced colours, offering aesthetic freedom within any concept or design.



Almond



Black Pepper



Lemon



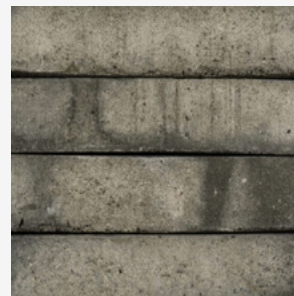
Mopé



Mushroom



Nougat



Pistachio



Radish

Technical information

	Almond	Black pepper	Lemon	Mope	Mushroom	Nougat	Pistachio	Radish
Datasheet	↓	↓	↓	↓	↓	↓	↓	↓
Production method	Soft-mud Waterstruck	Soft-mud Waterstruck	Soft-mud Waterstruck	Soft-mud Waterstruck	Soft-mud Waterstruck	Soft-mud Waterstruck	Soft-mud Waterstruck	Soft-mud Waterstruck
Texture	Punched	Punched	Punched	Punched	Punched	Punched	Punched	Punched
Initial water absorption (class)	IW3 - normally absorbent	IW3 - normally absorbent	IW3 - normally absorbent	IW3 - normally absorbent	IW3 - normally absorbent	IW3 - normally absorbent	IW3 - normally absorbent	IW3 - normally absorbent
Water absorption (% by mass)	≤10%	≤10%	≤10%	≤10%	≤10%	≤10%	≤10%	≤10%
Frost resistance class (class)	F2D	F2D	F2D	F2D	F2D	F2D	F2D	F2D
Fire classification (class)	A1	A1	A1	A1	A1	A1	A1	A1
Gross bulk density (class)	D1	D1	D1	D1	D1	D1	D1	D1

Sustainability information

Environmental impact per m² in kg CO₂ eq.

	GWP A1-3	GWP A1-5	GWP A - D
Radish	1,33E+01	1,58E+01	1,74E+01
Orange	1,33E+01	1,58E+01	1,74E+01
Nougat	1,29E+01	1,54E+01	1,70E+01
Mopé	1,30E+01	1,55E+01	1,71E+01
Lemon	1,98E+01	2,23E+01	2,40E+01

BRL 7010

Recycled content of the KOMO®-certified WasteBasedBrick

Class 3 with 60% post-consumer content ***



Explanation

- The full life cycle of 1 m² of facing brick, excluding masonry and joint mortar.
- According to "Service Life of Building Products" by SBR, the technical service life of facing brick is set at 100+ years.
- The environmental declaration is scalable (proportional) for other product thicknesses.
- The standard thickness is 100 mm. The minimum product thickness is 50 mm and the maximum is 130 mm for facing brick.
- This factsheet presents the environmental impact of Set 1 for Global Warming Potential (GWP) / Climate Change, shown both in scientific numerical values and in rounded figures for improved user readability.
- GWP is reported for module A1-3 (product stage) and module A1-5 (product and construction stage).
- The entire WasteBasedBrick range falls within Class 3, containing 60% post-consumer content.

Disclaimer: DC Bricks, producer of the WasteBasedBricks, provides this environmental factsheet to its partners and trusts that the information contained herein will be treated with discretion and confidentiality. All environmental data has been prepared on the basis of LCA data and results and has been verified by an external and independent review body. DC Bricks assigns a version number to this document and reserves the right at all times to amend the content of the stated EPD results or to determine which elements are presented in this factsheet. The verification letter can be requested from your contact person at FRONT®.

Price and delivery

In the overview below, you will find the indicative prices and delivery conditions per brick format. All prices are based on Ex Works (EXW) and serve as an initial indication for budgeting during the design phase.

Delivery takes place on pallets, carefully packaged, and is executed according to a jointly agreed delivery schedule aligned with the project planning.

Project-specific prices are confirmed and issued in a separate quotation, in which volumes, specifications, and planning are definitively agreed.

	BS format	Waal format	Hilversums format
Price	From €1,300 per 1,000 units	From €1,000 per 1,000 units	From €1,300 per 1,000 units
Packaging unit	Large pallet, 608 units, shrink-wrapped	HULO pallet, 412 units, shrink-wrapped.	HULO pallet, 476 units, shrink-wrapped.
MoQ	Per pallet (optional destacking for €70 per 1,000)	Per pallet (optional destacking for €70 per 1,000)	Per pallet (optional destacking for €70 per 1,000)
Lead time	26 weeks	26 weeks	26 weeks

Request samples

We are happy to send samples from our collection if you would like to use them for a project you are currently working on:

→ [Request samples](#)

Other questions

If you do not have a specific project but would still like to get in touch, please contact us via the link below:

→ [Contact us](#)

The advantages of WasteBasedBricks

Proven contribution to sustainability targets:

- Low GWP
- Strong performance on Paris Proof indicators
- High level of circularity: 60% (BRL 7010)

Complies with applicable industry standards such as NEN 771 and NL BSB and is supplied with standard warranties, minimizing risk. Thanks to its conventional dimensions and installation method, the product can be applied easily without requiring design modifications.

Available in multiple colours (such as Almond, Blackpepper, Lemon, Mopé, Mushroom, Nougat, Pistachio, Radish) and finishes (Punched), making it suitable for any design or concept.

At FRONT®, we believe sustainability only gains real meaning when it becomes tangible in projects.

That is why we highlight a number of examples in which the WasteBasedBrick has not only been applied in a circular way, but also makes a concrete contribution to the sustainability targets of architects, clients, and public authorities.

Want to know more?

Would you like to explore how FRONT materials can contribute to the sustainability targets of your project?

Get in touch with Thomas:

→ thomas@front-materials.com

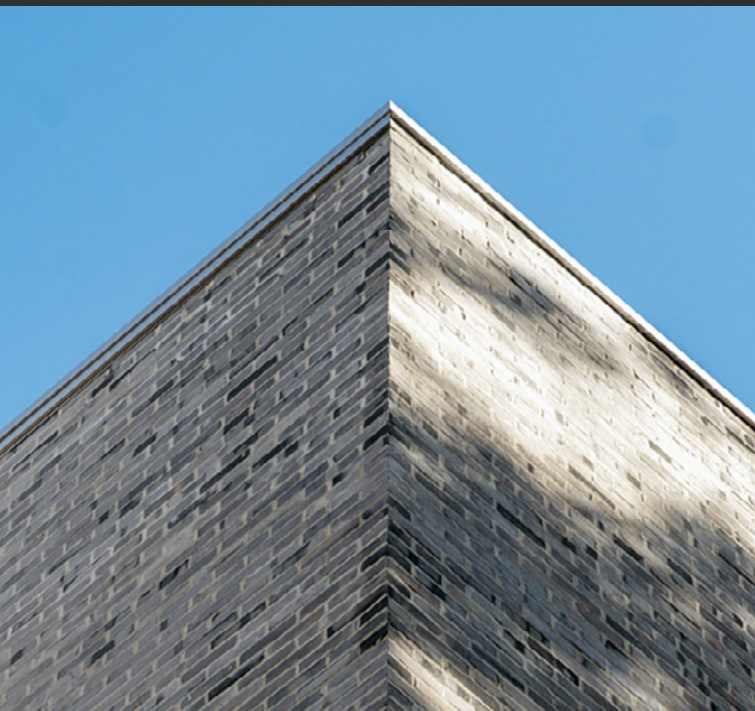
Technique Londen

Upcycled
22.080 kg

Technique is a groundbreaking new office building, created by transforming two historic properties in the heart of Clerkenwell, one of London's most vibrant and creative neighbourhoods. The project is set to become a benchmark for the area's development, respecting the past while strengthening the future.

Given the project's high sustainability ambitions, the architects at Buckley Gray Yeoman were searching for responsible material alternatives. After seeing FRONT's project for COS, they reached out, which marked the start of the collaboration.

→ [Discover this project](#)



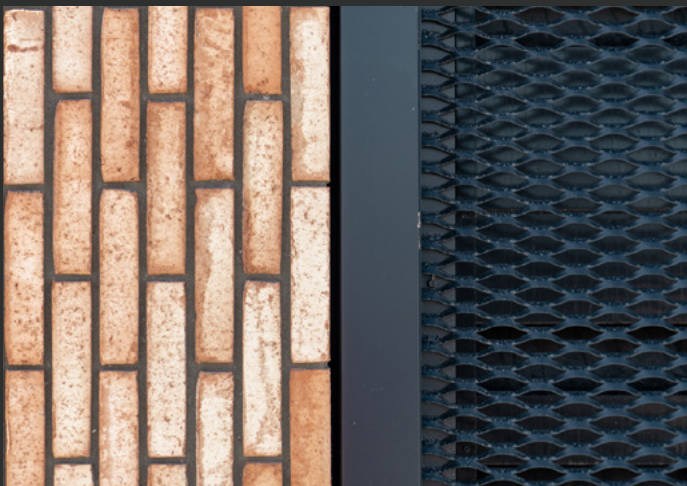
Substation, Amsterdam

Upcycled
121.920 kg

With 8.000 planned homes over the next twenty years, Strandeiland is one of Amsterdam's largest upcoming urban districts. Located along the bay of IJburg, featuring a 750-metre city beach and a rugged natural edge along the IJmeer to the south, it represents a new part of Amsterdam and one with strong circular ambitions.

To supply all buildings in the area with energy, a transformer station was required to convert high voltage into low voltage, which can then be distributed to the various neighbourhoods. Studies show that, up to 2030, six to eight new electricity transformer stations will be needed to safeguard the city's growth and sustainability ambitions.

→ [Discover this project](#)



360 degrees Amsterdam

Upcycled

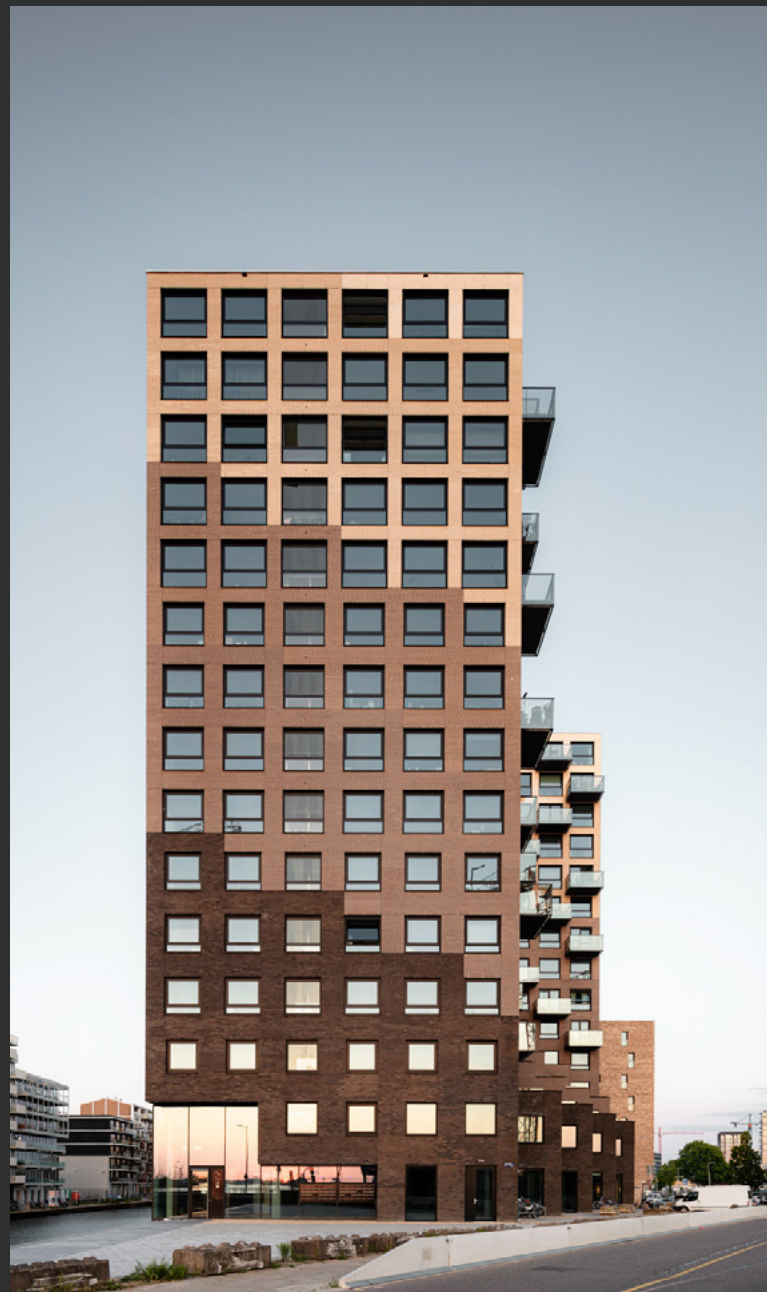
152.685 kg

Cityplot Buiksloterham in Amsterdam-Noord began as a testing ground for innovative urban development and has since transformed from a former industrial area into a vibrant mixed-use neighbourhood that lives up to the area's circular ambitions.

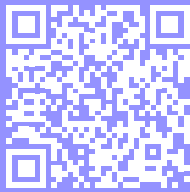
The parties involved in the project, a concept by Studioninedots, signed an agreement several years ago to develop this location sustainably.

360 Degrees is part of this larger development and serves as a true landmark: the tallest building in this new sustainable district in Amsterdam-Noord.

→ [Discover this project](#)



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Schedule
a meeting:



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