

B



sustain— ability

OUR MISSION

Realise the
futureproof
workspace through
sustainability,
innovation and
excellence.

Sustainability is deeply rooted in the culture of Beddeleem and has become an integral part of our mission, vision and values.

Today we understand that it is crucial to treat our environment, our resources and our people with respect. Not only for our planet and our well-being, but also to enable our company to face future challenges.

We are not dependent on the example of others but try to lead the way through innovation and research.
We like to challenge ourselves!

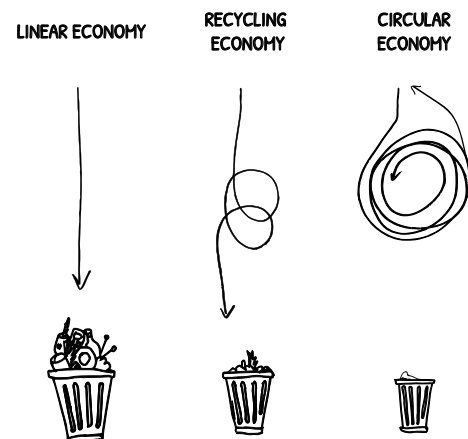


B

— Circular economy

We have been ensuring a sustainable policy through our internal processes since the beginning of the company's history. In this brochure, we would like to explain our approach to sustainability. This is further elaborated in our sustainability report, in which we cover the topics of environment, social performance and governance in more concrete terms.

Sustainable construction is often reduced to energy-efficient construction. Careful use of materials is as important to further reduce our ecological footprint. This is why circular construction, in all its facets, is the future of the construction industry. As a sustainable company, Beddeleem wants to apply the principles of the circular economy to the fullest extent and ensure the circularity of its products.



1950	Establishment Beddeleem	MADE IN BELGIUM
1989	First reusable partition system	B
2000	VCA - Safety p 27	VCA ⁺⁺ CERTIFIED VINÇOTTE
2006	ISO 9001 - Quality p 27	ISO 9001 CERTIFIED VINÇOTTE
2009	Cerff	CERFF CLUBBONS
2011	ISO 14001 - Environment p 26	ISO 14001 CERTIFIED VINÇOTTE
2012	PEFC p 22	PEFC PERFORMANCE
2013	Beddeleem Actief p 25	BEDDELEEM ACTIEF
2016	Cradle to Cradle Certified® p 8	CERTIFIED cradle to cradle PRODUCTS PROGRAM
2020	First Belgian CO2-Neutral building company p 12	CO2 NEUTRAL BILTIX COMPANY
2021	Beddeleem Circular p 14	BEDDELEEM CIRCULAR
2022	Charter for Sustainable Entrepreneurship p 24	2022 Duurzaam Ondernemen Laurycal



REthink

= thoughtful product design - designed to disassemble

Enabling circularity initially requires smart design. For Beddeleem, this starts with product design. We comply with the international Cradle to Cradle certification, which includes Product Circularity, so that the post-use phase is taken in the design, thereby extending the product's lifespan. Our relocatable partitions, for example, are a truly circular product. We have been proving this for more than 20 years with our after-sales service. The modular construction of our partitions and associated doors and windows make assembly, disassembly and re-use very easy.

REfuse single use

= design responsibility

A relocatable BEDDELEEM partition is designed to move and keep moving. The connections are mechanical and therefore reversible, the elements are 100% interchangeable, including the glass and full partitions or doors. It is a modular system. Its modularity, movability, high-performance acoustic and mechanical performance have been attested annually by the French CERFF association since 2001. Not only the product must be cleverly developed, but also the building. This is also an important task for the architect or designer. Go for circular products made responsibly. B Circular.

REuse REturn REpair

= circular use : relocate with the same components

Beddeleem Circular and After-Sales Service. When (re)furnishing, existing modules or components (panels, structure, insulation, etc.) can be reused as much as possible and supplemented with new material only where necessary. It is now also possible to choose from the Beddeleem Circular range for new projects. Each project gets an extensive As-Built and recently our BIM elements have also been made available in a database in Madaster. Via this materials database, we want to facilitate reuse even better in the future. Renting and leasing are also possible. The most suitable solution is always analysed with the customer on a project basis.

REmake REfurbish

= upcyclable partition systems

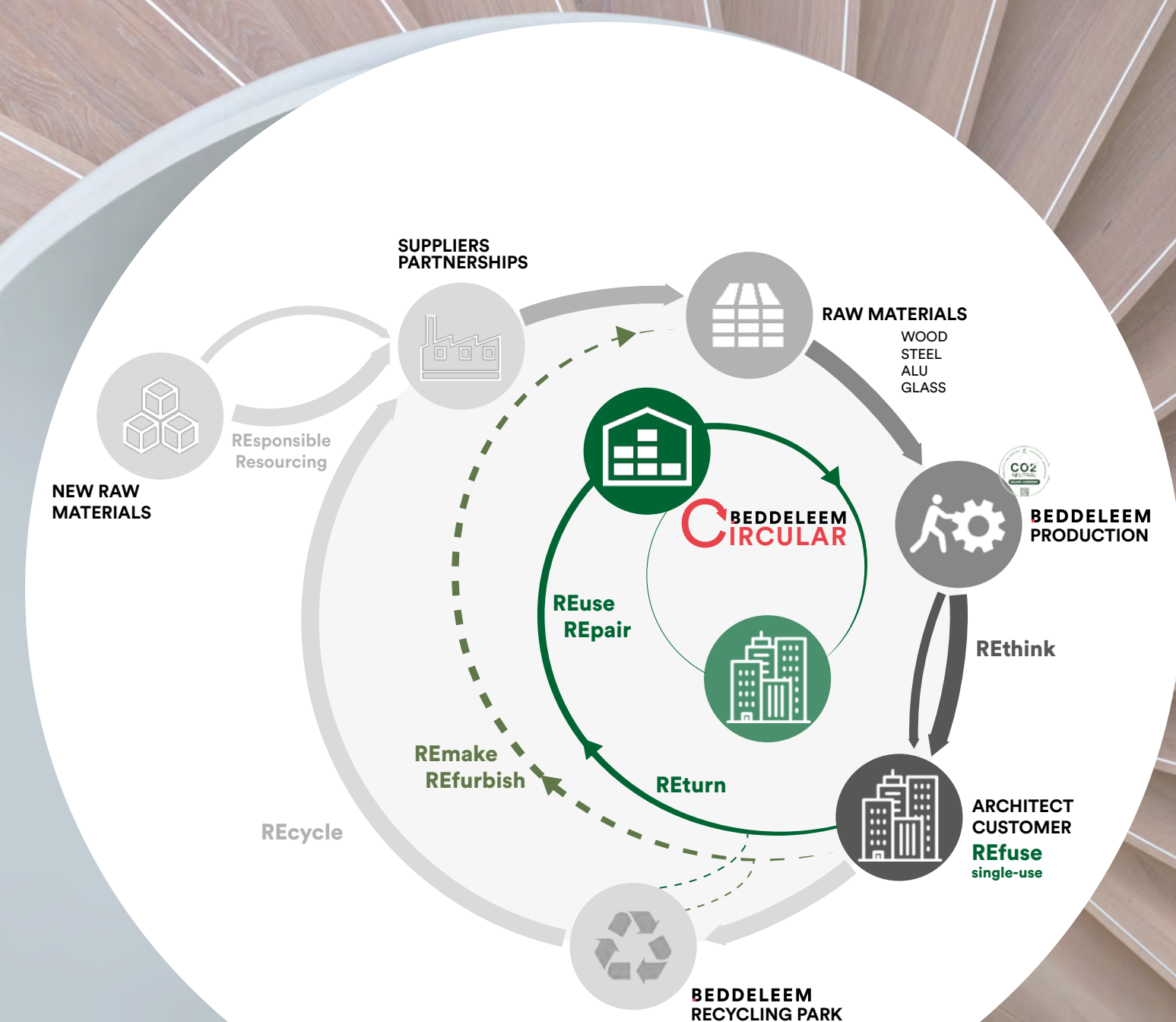
Our partition systems use a hook system to connect the various components. No adhesives or silicones are used during assembly. As a result, our wall systems are easy to assemble and have a high degree of design freedom and adaptability. Crucial in circularity: Beddeleem's system partitions are upcyclable. They can be adapted to new requirements in terms of acoustics, height, look-and-feel,... . Another example is the reworking of recycled office furniture tops.

REcycle

= processing into new raw materials

At the end of the partition's service life, the reversible connections (bolts, screws, jacks, click systems) of all components of the product can be undone without causing damage. This way, the components can first be reused or processed individually and finally, at the end of their individual lifespan, recycled into a new equivalent basic product (aluminium, chipboard, steel, glass, rock wool, plasterboard, etc.). Sorting is done on site or through our extensive recycling park, processing is done externally. We can then reuse these basic products at Beddeleem for new partition systems, thus closing this final circle.

Keep the circle as small as possible: B Circular





Cradle to Cradle® Certified

The international 'Cradle to Cradle Certified® Product Standard' is a design philosophy that aims to create zero waste at the end of a product's life cycle. Product evaluation is done on 5 categories to ensure that products have a positive impact on both people and planet.

Pioneer

Beddeleem started preparing internally to obtain these certificates in 2012. In 2016, we became the first manufacturer in the world to obtain the C2C Silver certificate for glazed partition systems. Recertification is done every 2 years and a **continuous improvement process** is required to achieve this.

Supply chain responsibility

The certification examines not only our company, but also the supply chain.



material
health

Ensuring humans and materials are safe for the environment

Beddeleem aims to examine all raw materials in all products and assess their impact on human health and the environment. Accordingly, safer and healthier options are being sought where necessary.



product
circularity

Enabling a circular economy through regenerative products and process design

Product design with an eye on circularity, using recycled and recyclable materials, Beddeleem Circular. We keep the circle as small as possible.



clean air & climate
protection

Protecting clean air, promoting renewable energy, and reducing harmful emissions

As the 1st Belgian CO2-neutral construction company, Beddeleem is strongly committed to this. By setting reduction targets for 2030 and 2050 and translating them into concrete measures, we commit ourselves to a climate-neutral future.



water & soil
stewardship

Safeguarding clean water and healthy soils

Water consumption at Beddeleem is limited. Our own water treatment plant cleans the water used during the coating process before it is disposed of.



social
fairness

Respecting human rights and contributing to a fair and equitable society

Healthy and happy employees are the foundation of any company. That is why they are also at the heart of our 5 values. We pay great attention to a healthy working environment both internally and in the projects we realise.

Made for Tomorrow





Cradle to Cradle® Certified

Beddeleem has already **certified several products** and aims to have even more products certified in the future, both by adapting existing products and by taking the principles into account when designing new products.

SUSTAINABLE BUILDING LABELS

Thanks to our Cradle-to-Cradle® and PEFC certificates, Beddeleem contributes to the sustainability performance of buildings and helps building owners achieve credits for certificates such as LEED, WELL V2, GREEN STAR, DGNB System (in progress), BREEAM® (future).

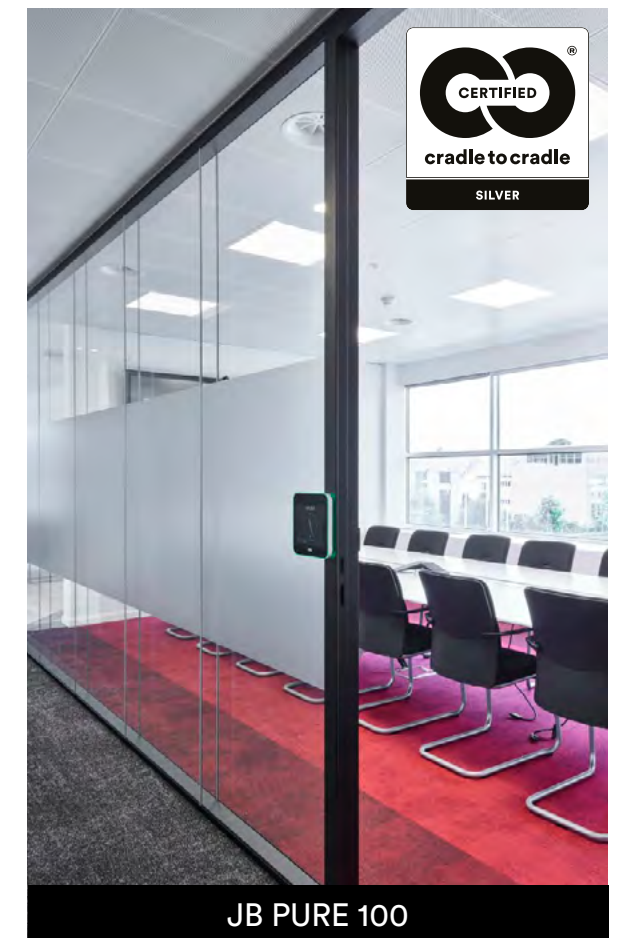
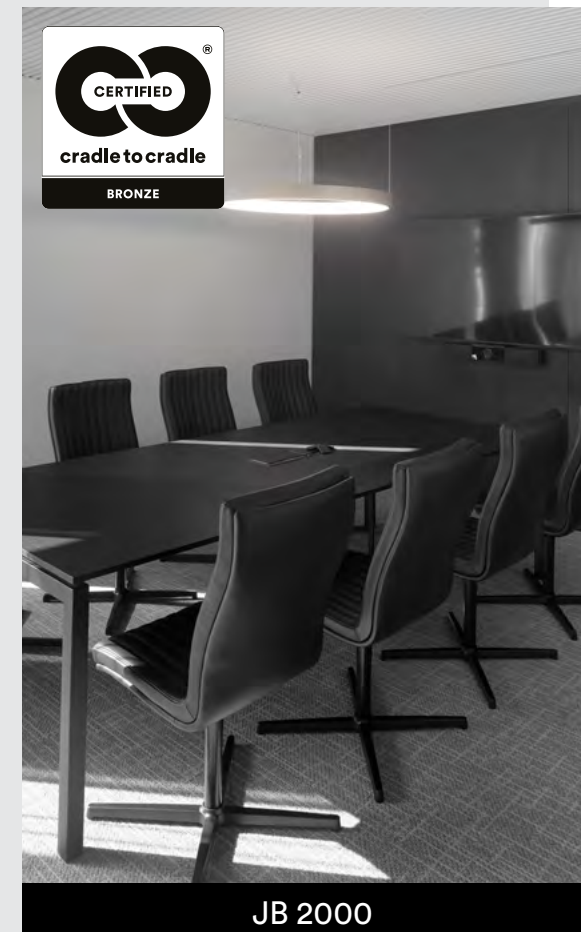
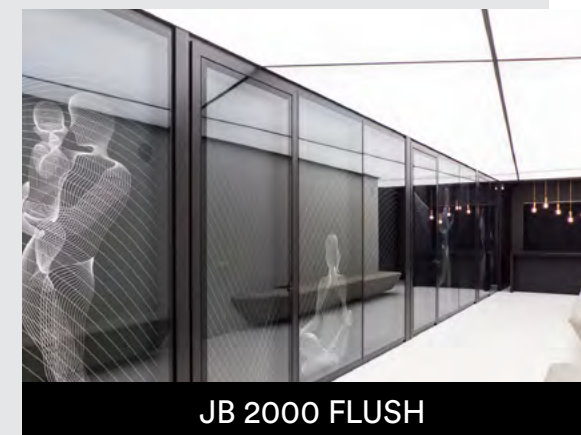
CERTIFIED BEDDELEEM PRODUCTS

C2C Silver

JB PURE 50
JB PURE 100
JB PURE 100 WOOD
JB 4000
JB 4000 XL
JB 4000 STEEL LINE
JB 2000 FLUSH

C2C Bronze

JB 2000 metal
JB 2000 wood
JB 2000 FRAME
JB 4000 WOOD
Door assemblies in JB Partitions





First Belgian CO2-Neutral building company

The building industry is responsible for a large portion of global CO2 emissions. As such, it is of utmost importance that this sector becomes carbon-neutral in order to help mitigate climate change.

Looking for a partner who is serious about climate action?

Then look no further. At Beddeleem we are proud pioneers in sustainable design and respectful production. Our fully CO2-neutral production site is equipped with the latest and most advanced technologies, allowing us to reduce our carbon footprint without compromising on quality.

Not only our production site is included, but our entire scope 1 and 2 activities, as well as partial scope 3 activities. This includes among others all transport to construction sites, the small fraction of waste still generated in operations, our electricity and heat consumption, business travel and employee commuting.

By creating sustainable products that adhere to the principles of Cradle to Cradle® and innovating on circular business models, we are able to further reduce the impact of our clients' projects.

We have been producing our own green electricity with as many as 5,500 solar panels since 2011 and are constantly innovating to reduce our carbon footprint. Depending on the annual solar yield, we cover up to 97% of our own electricity needs. 40 to 45% we can use ourselves at the time of generation, the remainder goes into the grid from which we buy our own green electricity if our needs exceed our solar profits.

Continuous innovation and our CO2 neutrality ensure that our production site is sustainable and future-proof, so you can build with confidence.

Want to know more about our commitment and progress? Scan QR.

Beddeleem is leading the way in sustainable entrepreneurship and climate action in the building sector as the first Belgian construction company to receive a CO2-neutral certification.

By investing in CO2-neutral construction, we are helping to create a society that is respectful of our planet and its resources.

Together we can make it happen!



“By carrying the CO2 Neutral label, you choose to take responsibility for the real impact of your CO2 emissions instead of shifting it onto the community and future generations” - CO2logic



Beddeleem, leader for a greener world

Beddeleem is a **partner** of Go Forest, which undertakes both reforestation and agro-forestry projects to reforest deforested areas and plant trees that support local populations' livelihoods and create additional jobs.

Together for a greener planet, restoring biodiversity and slowing climate change.

Climate projects

In addition to looking at our impact at company-level, through Go Forest we also launched **project-based** climate projects.

Let's plan(t) the future together



Partitions

a circular product

Our systems are designed circularly, proof of this are our **CERFF** and **Cradle to Cradle Certified®** certifications and the numerous projects where the partitions have already been moved in a new layout. They can be reused as a whole (profiles, finishes, windows, doors, etc.) or the elements can be exchanged or they can be supplemented with new elements from our collection.

With the Beddeleem Circular programme, we took the initiative and started to extend the actual lifespan of our products even more. This avoids unnecessary energy for conversion to other products or recycling. Together, we reduce the impact of your project and **keep the circle as small as possible**.

Material databases are a next step.
Read more about our **Madaster Max partnership**.

— circular range

Make use of our Beddeleem Circular range. It includes **relocatable partitions and doors that already have a lifetime behind them**. Through Urban Mining, they were picked from renovation or demolition works. Since November 2021, we have a separate storage location where we temporarily store them in order to give them a second (or third, or fourth,...) life in another project.

after-sales service

With our after-sales service, we have been disassembling and reassembling our relocatable partitions for **more than 30 years**. So at Beddeleem, we have known about circularity for a long time. Our in-house study office analyses the available material and the new layout. So we have the knowledge and know-how to put that puzzle together.

“The centre of the circular economy is **YOU!**”

All actions you take to extend the life of products or materials contribute to the circular economy, including :




- > good maintenance
- > right partner for take-back
- > life-extending of existing elements
- > right recycling paths
- > responsible products made with circularity in mind

CIRCULAR PURCHASING

=

SMART PURCHASING

choose for :

-  Reusable material
-  Upgraded / second-hand
-  Buy the use instead of the goods

Leasing & renting



Choose to reuse

“We analyse the renting & leasing possibilities using a project-based approach with our customer.”

Contact us for more information



Design futureproof

Life extension through anticipatory and adaptive design.
Go for quality that lasts.



Circular reusable

Choose systems that can be moved in their entirety.



Design modular

Work on a grid. Preferably according to standard construction modules.



Technical panels

Work with technical panels in the ceiling, floor and partition.



Extensions & fitting modules

Go for recurrent heights and widths, extendable with fitting modules.



Interchangeable & flexible

Opt for our modular systems whose elements are 100% interchangeable.



Material selection

Choose from our extensive material collections.



Circular range

Make use of our circular range to reduce the impact of your project.



Open mind

Be flexible. Set the broad outlines, but not all the details yet.

Would you like to reduce the impact of your renovation or refurbishment project?

Are there existing Beddeleem partitions at your site?

We are ready to work together on the solution that best suits your working environment and needs.

We will make a project-specific analysis and discuss the possibilities together.

**Reuse the past
Recycle the present
Save the future**

Digitalisation

Material database

Vertical integration and digitalisation

Beddeleem already works in a highly digitalised and automated way and is taking steps towards **further digitalisation**. There is a great link between our drawing office, study office, production preparatory work and our advanced machinery. We can extend that link in the preliminary design phase to your project as well.

Sustainable building labels

BREEAM®, **LEED**, **DGNB** and **WELL** are the main **sustainability certificates for buildings**, each with their own criteria and ways of testing.

Thanks to our Cradle-to-Cradle® and PEFC certificates, **Beddeleem** contributes to the sustainability performance of buildings and we help building owners **obtain credits** for these certificates.



BREEAM®



BIM

There is no single definition of BIM. To some, it stands for "Building Information Modelling" (creating digital building models), to others for "Building Information Model" (the building information model). But it also increasingly stands for "Building Information Management" (managing and exchanging the information). BIM can be used in the various phases of a construction project (quotation and ordering, site preparation, procurement, execution, post-project follow-up).

Advantages

Collaboration in the design phase allows better preparation of the project which also leads to error reduction in production and on-site phases, and consequently leads to less waste and lower ecological impact. It also ensures time savings and cost efficiency.

Circular economy - Materials database

From a BIM model, the transition to a materials database is small. By digitalising and linking projects via a materials database, we can work together to create a circular future for the construction sector. Later, when the building is refurbished or demolished, the reusable materials can be identified and inventoried.

Beddeleem provides BIM models of all products and systems

Beddeleem is happy to help you realise your BIM project. We provide BIM models of all our products and systems, which you can integrate. If necessary, our experts can also work on the general BIM model of your specific construction project themselves.



Madaster

Circular construction is the future of our business. Material databases are an important link in this.

JB-products

These are all products that can be perfectly applied in a circular construction model. Our core product, the Beddeleem relocatable partition, is a product designed from the start to be circularly reusable. It is modular, can be dismantled, repositioned and there is even the possibility of upgrading performance. We have more than 30 years of experience in this. Our other products also fit into this philosophy.

Circular economy

Our goal in becoming a Madaster Max partner was to stimulate the re-use of our systems.

A material database was the missing link to make sure products change hands more often throughout their lifespan. Our hope for Madaster Belgium is to become a reference tool to accelerate the exchange of building materials, hence to extend the longevity of our products.

Working together for a sustainable working environment

In addition, as a contractor and manufacturer, we also want to be a partner and point of contact through Madaster Max for architects and building owners who are committed to a sustainable office environment with us. Here, Madaster will help examine the circularity index and environmental impact of elements and material choices.

Beddeleem database on the Madaster platform

Since mid-2022, our first partition systems with underlying material info and circularity index have been available in our database on the Madaster platform. This will be systematically updated. If your project uses systems other than the ones already listed, do not hesitate to contact us.



OUR VISION

Be the reference

for sustainable workplaces

through custom made project solutions
and partnerships, Made in Belgium.

100% Belgian owned company

As our products are made at our premises in **Nazareth**, we have a **short chain** and can optimise material flows and production processes. As a result, Beddeleem guarantees **the best product at the lowest price**.

Many years of experience and **extensive and advanced production facilities** are just a few of the key aspects which make our business what it is today, one of the greatest specialists in the field of made-to-measure and custom projects in Belgium.

Made-to-measure and custom projects or technical nodes are worked out and created in-house. This means all components are perfectly coordinated with one another and many issues have already been resolved before they arrive on site.

Our service

A **good cooperation** does not end with the delivery of your project. Beddeleem assures the necessary long-term trust thanks to its **after-sales service**.

In this respect, we work together to ensure that our flexible systems are the solution for your **future-proof** office and that your work environment can grow and evolve in line with your new needs.

Treating and developing our products and materials with respect ensures that we can **extend** their **lifespan** and contributing to smarter and more efficient use of materials and **lowering environmental impact**.

We also implement our philosophy in the choice of our partners and suppliers, aiming to **make a difference together**.
On to 2050!

Tomorrow
starts
today.
B Ready

Stairs made of 100% recovery material

MADE IN
BELGIUM

produced in a
CO2-neutral
company



Wood

PEFC label

Chain of Custody

The only responsible choice when it comes to wood !

The Chain of Custody that Beddeleem implemented at its production site in Nazareth is important. Only if all links in the chain including the processing, installation and invoicing of the end product are certified, you as a consumer can be **sure that the product comes from a sustainably managed forest** or has been responsibly recycled.

PEFC

This **strict and reliable management system** guarantees wood from sustainable forest management right through to the installation and invoicing of the finished product and throughout the entire chain.

All wood used in our production and on site is covered by this certification. Thanks to our Chain of Custody, we can therefore guarantee the sustainable origin of the wood for your entire project!

Even if there are no specific requirements on certain projects, Beddeleem is committed to purchasing all wood products from its extensive standard range according to these sustainability requirements. The optimal use of certified wood with the PEFC® label guarantees consumers that the wood comes from responsibly managed forests and/or contributes to the responsible management of our forests.

The only responsible choice!



PEFC label

PEFC (PEFC/07-31-258) is a label that guarantees the consumer that the wood or paper originates from sustainably managed forests. PEFC, a non-governmental environmental organisation, stands for 'Programme for the Endorsement of Forest Certification Schemes'. PEFC is a worldwide, non-profit, independent certification mark for the promotion of sustainable forest management. PEFC's ultimate goal is for all the world's forests to be managed sustainably, taking account of social, economic and environmental aspects.

The actions of PEFC Belgium are based on two complementary pillars : forest certification and certification of the chains of control of businesses in the forest-timber-paper chain :

- > the forestry standards of PEFC Belgium are intended to ensure respect for the economic, ecological and social functions of forests ;
- > the control chain rules offer the possibility of monitoring the flows and PEFC products within an organisation and from one company to another.

Beddeleem aims to limit the environmental impact of its activities, products and services to a minimum. One of the bases for this is the maximum use of timber from sustainably managed forests. In order to achieve this, Beddeleem's management is dedicated to introduce a "PEFC Chain of Custody" management system in its Nazareth production facility.

*The PEFC certificate was first awarded on 21 May 2012.
The certificate is valid until 20 May 2027.*

Recycled Content

The more recycled content we use, the faster we can move steps towards a circular society.

We refer to Recycled Content when a material consists partly or entirely of recycled material.

Recycled material can come from two different phases of the cycle. When the waste to be recycled is extracted from the production process, it is called 'pre-consumer' material or also 'post-industrial' material. However, the material to be recycled can also be withdrawn from the waste stream only in the consumption phase. In that case, we speak of 'post-consumer' material and associated 'post-consumer' recycled content.

Because pre-consumer waste is usually more homogeneous and pure, post-industrial recycled content levels are often higher than post-consumer recycled content levels.

Beddeleem takes the percentage of recycled content into account when selecting suppliers.

Today, on average half of our products already consist of recycled material. The full partition systems are an excellent example. These consist of 100% recycled wooden board material.



WOOD
100% of recycled material

ALUMINIUM
79% of recycled material

GLASS
29.9% of recycled material

MINERAL WOOL
61% of recycled material



Charter for

Sustainable Entrepreneurship

— VOKA

In 2022, Beddeleem participated for the first time in 'Charter Duurzaam Ondernemen' from Voka Oost-Vlaanderen. This annual award ceremony rewards companies that realise sustainability in their daily operations.

Based on the 17 SDGs, Beddeleem successfully completed an action plan for sustainable business operations.

Some of Beddeleem's **concrete actions** :

- Calculate the carbon footprint and develop a carbon neutrality pathway
- Commit to circular economy through Beddeleem Circular
- Further development of Cradle to Cradle
- Ergonomics: sit-stand desks for all employees
- Lifelong learning via Beddeleem Academy



BEDDELEEM
AC  **IEF**

It is very important to us that our employees feel good at work. So at Beddeleem, we all work together to create a good, positive and respectful working atmosphere.

The **Beddeleem Actief** team organises numerous campaigns and activities: fitness room, fresh fruit at work, participation in litter campaigns in our industrial zone, Lunch & Learn info sessions on various themes that concern us as a company and as people, company team building, compliment day, participation in local sports competitions, annual summer BBQ, Car Free day,...



Beddeleem introduced an environmental management system in 2011 in its Nazareth production facility in order to limit the environmental impact of its activities, products and services to a minimum.

The environmental management system applies to the selling, designing, developing, producing, transporting and installing of ceiling systems, partitions, raised floors, office furniture and related products in the finishing and after-sales service.

Environmental management system

Beddeleem's environmental policy is based on the following pillars:

- Maintenance of the ISO14001 environmental management system that was set up in 2011 and is specifically aimed at managing and improving environmental performance ;
- Compliance with applicable laws and regulations and management of environmental risks ;
- Commitment to continuous improvement of our company's environmental performance ;
- Maximum sorting of the various waste flows aiming to recycle and reuse of materials ;
- Efficient use of raw materials, auxiliary materials and energy in the production processes ;
- Use of recycled aluminium in the production of our extrusion profiles, as a result of which CO₂ emissions are cut by five tons per ton of aluminium used.

The current ISO14001 certificate is valid until 15 October 2023.

Beddeleem's 10 commitments on the environment and sustainability :

- Striving for maximum protection of the environment ;
- Compliance with legal environmental requirements applying to the activities to be carried out ;
- Prevention of emissions to water, ground and air and limitation of the volume of waste as a result of the activities in the production facility ;
- Maximum sorting of the various waste flows to recycle and reuse materials ;
- Efficient use of raw materials, auxiliary materials and energy in the production processes ;
- Development of sustainable products, taking account of customer's requirements ;
- Optimal use of sustainably exploited timber and avoiding the use of timber from controversial sources ;
- Avoiding the use of volatile organic compounds in the production processes and in the materials used ;
- Sustainable generation of energy by means of own solar panels, to provide maximum supply of own electricity needs ;
- Own purification of process water by means of a purification plant, with a view to minimum discharge of waste into the drainage or sewerage system.



QUALITY

To achieve this, Beddeleem has implemented the **ISO 9001 quality management system**.

Beddeleem's objectives translate into :

01— IMAGE

The company and its personnel must radiate trust. There must be sufficient organisational and technical knowledge and experience.

02— QUALITY

Meeting the customer's requirements and needs. Good contacts and agreements with customers and a professional approach to competitive prices are its main assets.

03— CUSTOMER SERVICE

Beddeleem seeks to emphasise service to customers:

- > timely delivery ;
- > early alerts if agreements cannot be adhered to as a result of circumstances beyond its control ;
- > guaranteeing optimal follow-up before, during and after works.

04— EXECUTION

- > flexible cooperation with all parties involved ;
- > thinking along with customers and making proposals before and during the works ;
- > permanent care for human capital.

Based on periodic internal and external audits, the real situation is tested against the objectives set and the points in the standards. If necessary, adjustments are made in the working and management groups.

The quality management system applies to the selling, designing, developing, producing, transporting and installing of ceiling systems, partitions, raised floors, office furniture and related products in the finishing and aftersales service.

The ISO9001 certificate was first issued on 21 August 2006 and is valid until 15 October 2023. Before that Beddeleem had been certified under ISO9002 since 1995.

Quality & safety



SAFETY

In order to achieve this, Beddeleem Group introduced the **VCA** safety management system** in 2000.

The company's safety policy rests on the following key elements :

01— Minimising risks to own staff and third parties in company buildings and on construction sites by :

- > managing risks (inventory, evaluation) ;
- > ensuring good and regularly inspected facilities, machinery and work equipment ;
- > providing available workable procedures.

02— Preventing personal injuries and material damage by :

- > ensuring maximum collective protection ;
- > dividing workstations and work zones efficiently and safely and marking them out where necessary ;
- > providing additional personal protective equipment.

03— Training own employees so that everyone can carry out their own work in a safe and healthy manner by :

- > providing specific safety training courses ;
- > permanent internal training, toolbox meetings, ...

04— Maintaining internal and external communication aimed at the continuous improvement of all health and safety aspects through :

- > further developing and formalising of the administrative support system ;
- > providing consultations in order to regularly evaluate and discuss the health and safety risks and where necessary adopt preventive and corrective measures.

05— Striving for continuous improvement of safety performance by setting annual safety objectives and carrying out the global prevention plan and annual action plan. High level of commitment and awareness from the employees when realising the safety objectives and minimising incidents and accidents.

The safety management system applies to the mounting of system partitions, suspended ceiling systems, raised floors, office furniture and the total finishing and renovation of buildings.

*The VCA** certificate was first issued on 25 February 2000 and is valid until 20 August 2024.*

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