# CORIUM GUIDE

## Our Approach

Wienerberger is transforming into a company that continues to deliver the durable, beautiful, high quality products and services you need, but with a much smaller environmental footprint. A net-zero carbon footprint, in fact.

This is a huge challenge, but by combining our employees' talents with insight from our customers and partners, we want to address the challenges of climate change, resource scarcity and biodiversity loss within the built environment.

We will continue to provide product systems that facilitate high fabric performance, reducing buildings' lifetime energy demand and whole-life carbon emissions. We will encourage nature to thrive on our land. We want to work with people who can help us go further.

## Wienerberger Group Targets

We must reverse biodiversity loss by 2030 and achieve net-zero greenhouse gas emissions by 2050. There is no time to waste, which is why Wienerberger has set corporate sustainability targets for 2023, not 2030.

### Environment

**Decarbonisation**

**15%** less $CO_2$ emissions
*baseline of 2020*

**Circular Economy**

**100%** of new products will be designed in a way that they are reusable or recyclable

**Biodiversity**

Biodiversity programme in place at all our sites

### Social

**Diversity**

**>15%** female employees in Senior Management

**>30%** females in finance, commercial and administrative division

**Training and Development**

**10%** more training hours per employee

**CSR Projects**

**200** housing units built with our products per year for people in need in our local markets

### Governance

***Committed to highest national and international governance standards, with focus on:***

- Business strategy
- Board diversity and compensation
- Executive compensation
- Succession management

*Note: all goals are set vs. the reference year 2020. The absolute $CO_2$ emissions or the corresponding $CO_2$ indicators communicated on our climate management always refer to emissions of carbon dioxide equivalents ($CO_2e$).*

## The Benefits of Corium

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| **Waste**  | Corium tiles are produced as a finished product, whereas brick slips are normally cut from a fired brick, with the bulk of the brick then becoming waste. Corium uses on average 75% less material than traditional brick.<br>The volume of a standard Corium tile vs a traditional solid brick is a reduction of 76% (0.34$m^3$ vs 1.43$m^3$). Looking at UK bricks the saving ranges from 42% to 73%. |
| **Transport**  | A Corium tile is narrower than a normal brick, which means it is lighter so more bricks can be transported in a single journey.<br>Standard tiles are delivered to site containing 960 units (16.2$m^2$) and weighing approximately 800 kg. |
| **Commitment**  | We are committed to sustainability goals for 2023. For example, decarbonisation through the reduction of $C0_2$ emissions by 15%, a biodiversity programme for all Wienerberger sites and 100% circular new products to be reusable. |
| **Recycling**  | Magnelis is 100% recyclable and does not contain any harmful elements. We use COSHH sheets for all Corium tiles and we do not cut our tiles like slips. Corium is purpose made unlike brick slips which are predominately cut with the excess going to waste. |
| **Health & Safety**  | Corium is lighter than traditional brick making them easier to handle for traditional building techniques. For example, a standard Corium tile weighs approximately 0.830 kg whereas a typical perforated wirecut facing brick weighs from 1.7 to 2.6 kg – Corium tiles less than half the weight. |
| **Longevity**  | Corium is suitable for both new construction and renovation work. Insulating a solid wall or breaking out an old facade to insulate it and clad the building with new tiles. |
| **Energy**  | The extra width that you gain from Corium can be extremely useful for extra insulation. The reduction of 70mm in thickness compared to traditional brick and potentially a narrower cavity (minimum 15mm) depending on design. |
| **Durability**  | Corium facades offer all the benefits and features of traditional ceramic cladding bricks, but in a slimmer format, and you do not have to make any compromises in terms of durability, strength or stability. It is well known that clay materials can last a lifetime with little or no maintenance, Corium is no exception to this. |
| **Certification**  | Magnelis has a full EPD and is compliant to European standard EN 10346: 2015 and Corium has full BBA certification. |
| **Environment**  | Magnelis reduces zinc run off into soil compared to standard galvanised steel.<br>Corium is faster to install than traditional brickwork reducing the amount of time spent on site, reducing the impact on the local environment. |


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