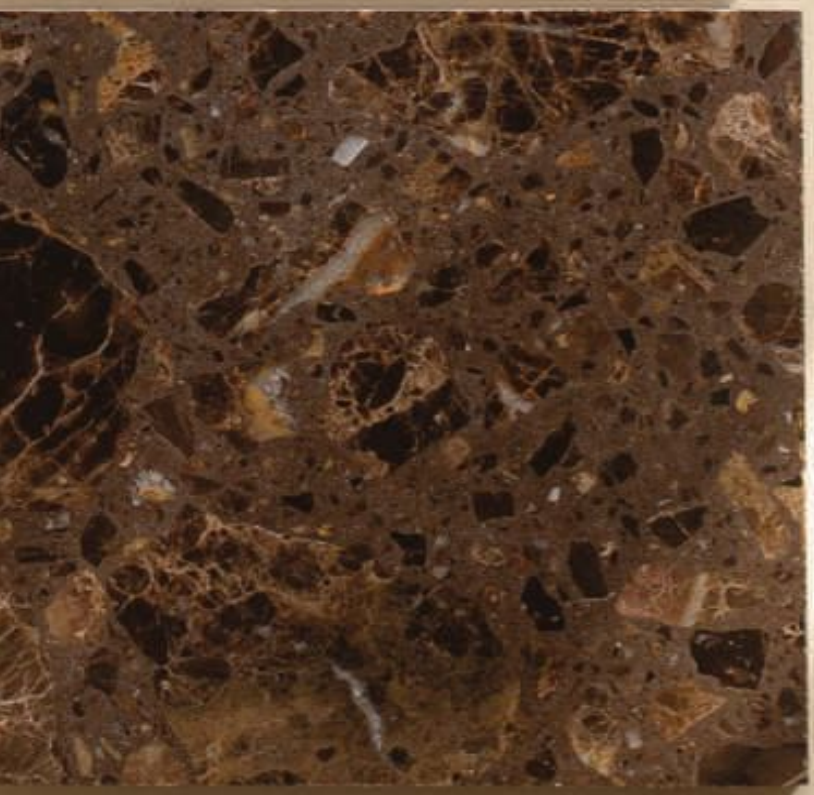




CORPORATE
CONTENT
EN S&I-V1-MAR 2024

RMC
beyond the stone

SUSTAINABILITY & INNOVATION

www.rmc.pt

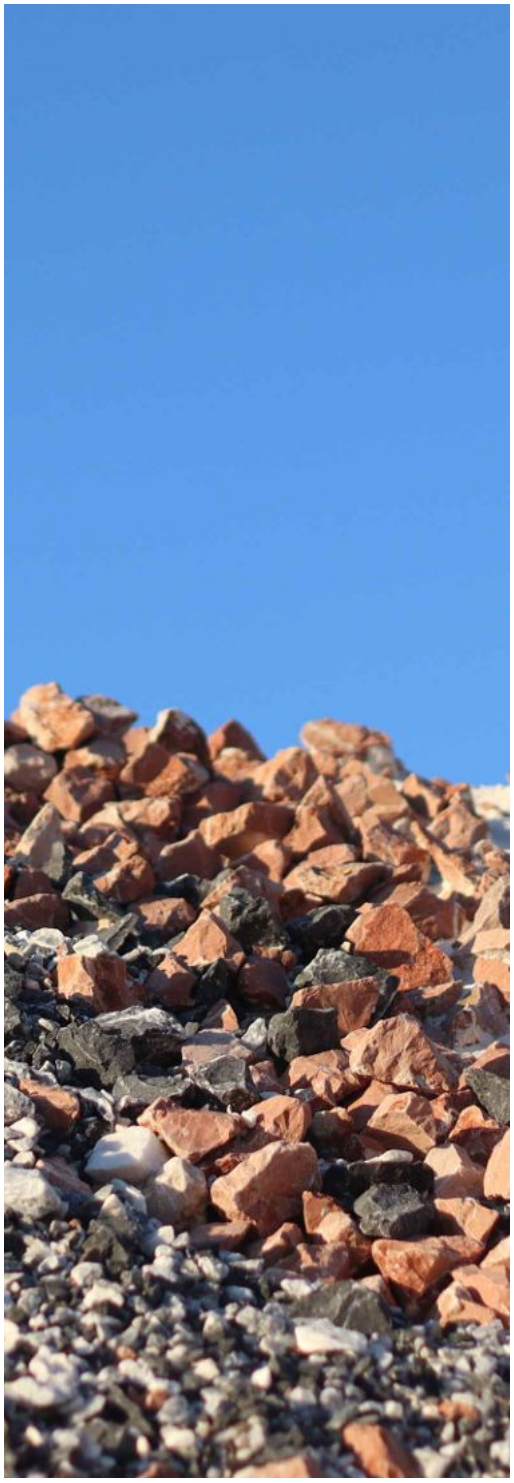


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RMC Surfaces, S.A. Rua Correia da Coutinha, Nr. 1 | 3770-218, Oliveira do Bairro, PORTUGAL
+351 234 740 400 (Call to the national fixed network) | info@rmc.pt | **www.rmc.pt**

RMC
beyond the stone



INTRO

beyond the stone

At RMC, we develop innovative and ecologically sustainable compact marble that contributes to the comfort and future of architecture and construction.

Since 2015, we have been optimizing processes to reduce the impact of production and products on the environment. In the construction sector, the transparency of information related to production processes is becoming increasingly important. There is also a growing preference for the use of products that come from sustainable sources and offer clean end-of-life options.

From homes to hotels, restaurants and libraries, from museums to offices, our products are suitable for any residential or commercial project, offering exceptional comfort and performance.

SINCE 1980

our origin
our future

The history of RMC compact marble started in 1980 when the company was established in Portugal and the first slabs and tiles were produced using the original Breton heavy machinery.

Decades of experience have lead us to create remarkable products, featured in achitectural buildings around the world.

In 2015, RMC was acquired by the new industrial company Eurosurfaces Portugal S.A. who brought the international management and the market knowledge.

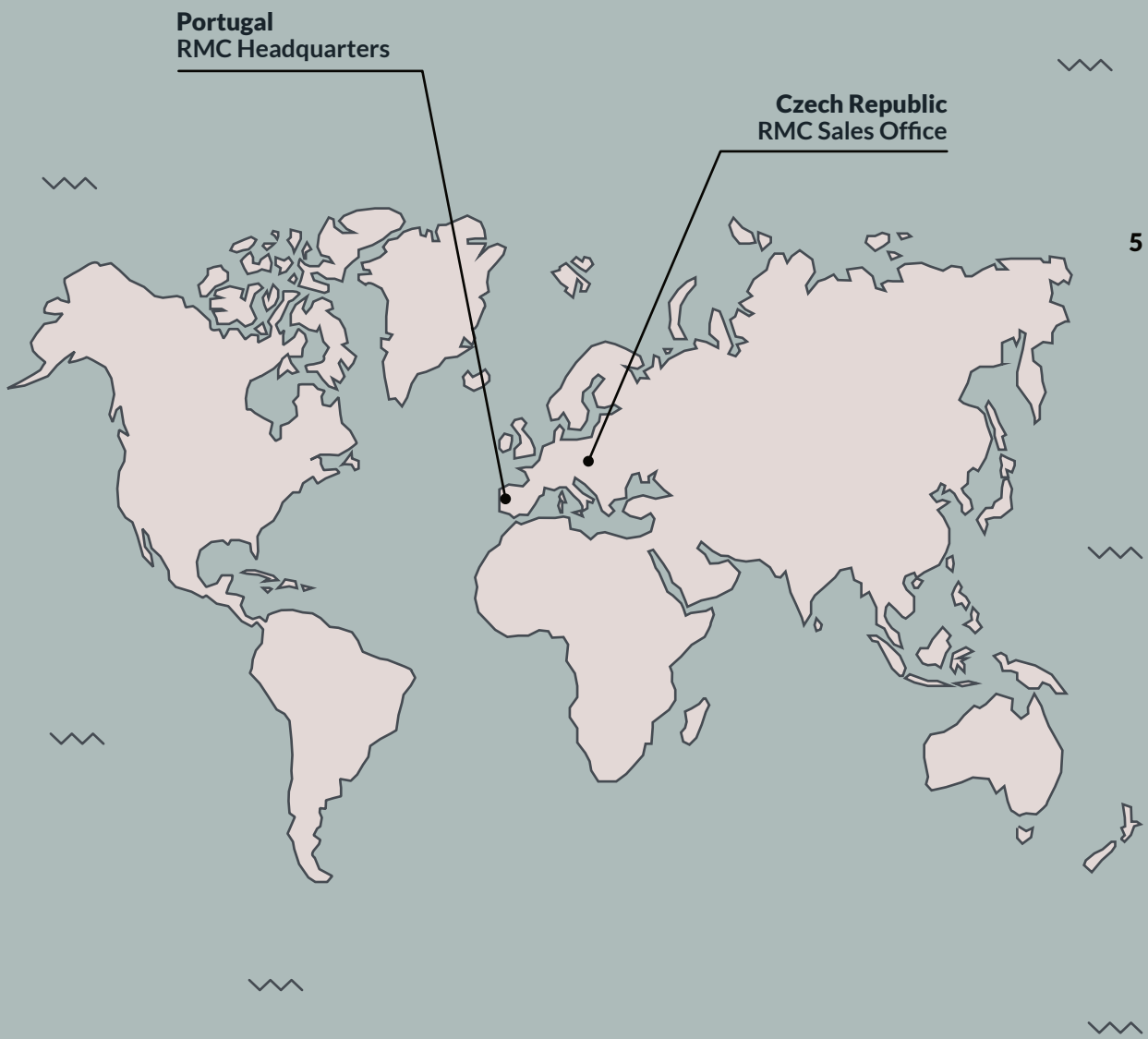
With all good from RMC, we build on high quality, fair customer centric approach and flexible development of new products.

In 2023 we established our new designation to RMC Surfaces, S.A. reinforcing our international presence and brand name.

We envision the future of RMC, focusing our efforts on adding value to the stone and architecture industries. We aim to innovate our products and provide excellent customer service, always respecting the environment and our team's workforce.

GLOBAL PRESENCE

Founded in 1980 in Portugal
New administration since 2015
Offices in Portugal and Czech Republic
Products installed in more than 70 countries



OUR PURPOSE

develop innovative and sustainable **compact marble** that contributes to the future of architecture

RMC is dedicated to establishing a long-lasting and environmentally-friendly presence within the compact marble industry.

Our mission is not only to provide high-quality marble products, but to do so in a manner that prioritizes sustainability and positive change within the construction and materials sector.

Through our commitment to sustainability, we strive to minimize waste, reduce carbon emissions, and preserve natural resources. Our goal is to create a sustainable path, that not only benefits the marble industry, but also has a positive impact on the construction and materials sectors.

Our focus is on the future. Our goal is to make a difference that *goes beyond* traditional approaches and to create products that overcome challenges and contribute to the future of architecture.



RMC VALUES

as a team, these are the values that define us

PEOPLE

To attract, retain, and motivate highly talented employees, empower them and offer them challenging career paths in a healthy work environment.

QUALITY

To maintain the highest levels of quality throughout our organization.

EFFICIENCY

To allocate resources in the most effective manner, avoiding wastage, and achieving optimal returns.

CUSTOMER FOCUS

To exceed customer expectations by continuous delivering the most relevant products and the best service to them.

RESPECT AND FAIRNESS

To deal with customers, partners, employees and authorities with the highest levels of integrity and respect, displaying fairness in all our interactions.

CERTIFICATIONS & MEMBERSHIPS

RMC has this certification since March 2018.

ISO 9001:2015 specifies requirements for a quality management system that demonstrates its ability to consistently provide products and services that meet customer and applicable statutory and regulatory requirements.

It also aims to enhance customer satisfaction through the effective application of the system, including processes for improvement and the assurance of conformity requirements.

CE

For flooring, RMC meets the requirements of the harmonized standard EN 15285 which is proven by a Declaration of Performance, according to European Standard: EN 15285:2008 - Agglomerated stone - Modular tiles for flooring and stairs (internal and external).

For walls, RMC meets the requirements of the harmonized standard EN 15286 which is proven by a Declaration of Performance, according to European Standard: EN 15286:2013 - Agglomerated stone - Slabs and tiles for wall finishes (internal and external).

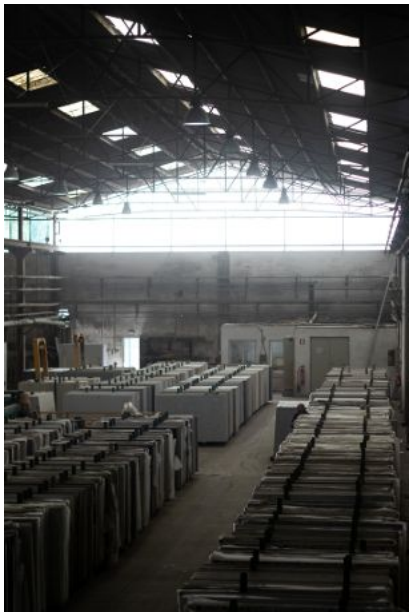
For cut-to-size products for flooring and stairs, RMC meets the requirements of the harmonized standard 16954 which is proven by a Declaration of Performance, according to European Standard: EN 16954:2018 - Agglomerated stone - Slabs and cut-to-size products for flooring and stairs (internal and external).

The non-profit organization committed to a prosperous and sustainable future through cost-efficient and energy-saving green buildings that operates LEED program.

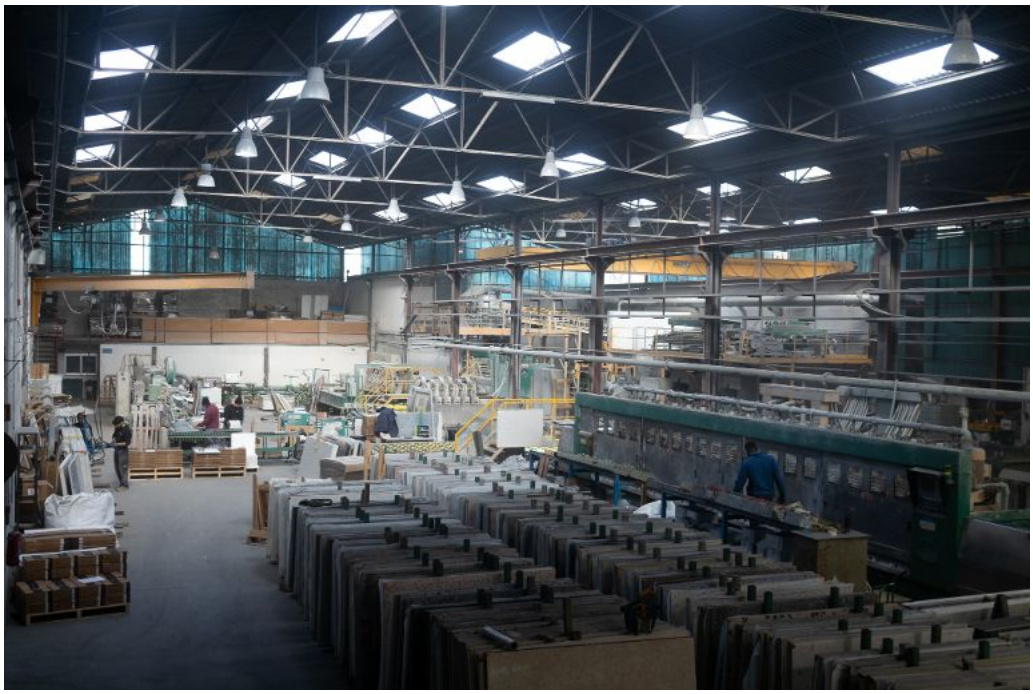
The association of manufacturers of agglomerated stones, aimed at promoting the development and progress of its Member Industries, and supporting the qualification of operators, industries and their products and services.

FACTORY FACILITIES

RMC Surfaces facilities extends over 33.992 sqm of industrial land with 8.562 sqm of built up factory space meeting all European standards, norms and requirements.



The production capacity is up to 984.000 sqm per year (depends on production structure and strategic long-term customers).



TECHNOLOGY



RMC compact marble is produced with patented Italian Breton technology with no emissions of volatile compounds.

BretonStone® a Technology for the manufacture of marble-based stones, with resin or binder (in its vibro-press or vibro-chamber technological variants).

Breton is a pioneer in the development of advanced technologies - is specialized in the design and production of state-of-the-art industrial machinery and plants.



PRODUCTION



RMC production process includes the following steps:

1. CRUSHING
The main raw material of the process is marble stone. The larger stones are crushed and then further processed. Various sizes of stones and marble granulates are produced and then stored in silos, before going to the mixer.

2. MIXING
The next step of the process consists mainly of mixing dry raw materials with resin, pigments, and additives in a mixing machine. All the components are mixed under vacuum, based on a unique formula that is different for every reference.

3. PRESSING
The process continues by filling a mold with the mixture and compacting it in a press machine. A vacuum system removes all remaining air that eliminates the porosity in the final product. Once the pressing operation is completed, the block is taken out of the mold and stored for 7 days before the curing process is finished.

4. RECTIFICATION
During this step, the sides of the block are rectified to prepare it for cutting into the slabs in a gang saw.

5. GANG SAWING
The gang saw cuts the blocks into slabs with the required thickness, usually in standardised dimension of 12, 20 or 30mm.

6. FINISHING
The surface of the slabs is finalised in the finishing line that can produce a broad range of finishes such as polished, honed, aged, satin, and others. Every slab is then inspected and stored.

7. CUTTING SLABS TO TILES
After the slab is produced, it can be optionally cut into tiles based on the requested dimensions.

8. PACKAGING
At the final stage of the production process, the slabs are packed into wooden bundles for immediate shipment or stored in the warehouse. Tiles are usually shipped in wooden crates or optionally in carton boxes.



DAILY PRACTICES

actions to reduce our environmental impact

RAW MATERIALS

50% Sustainable Materials

Our product development concept is based on a proposition of using surplus materials from other production lines.

Most of these materials come from quarries, which exclude smaller stones or irregularly shaped blocks. At RMC, we take advantage of the diversity of these materials and, using our R&D expertise, enhance their value through transformation.





RAW MATERIALS

70% Locally Sourced

RMC privileges the acquisition of raw materials from geographic proximity - mostly from Portugal and Spain.

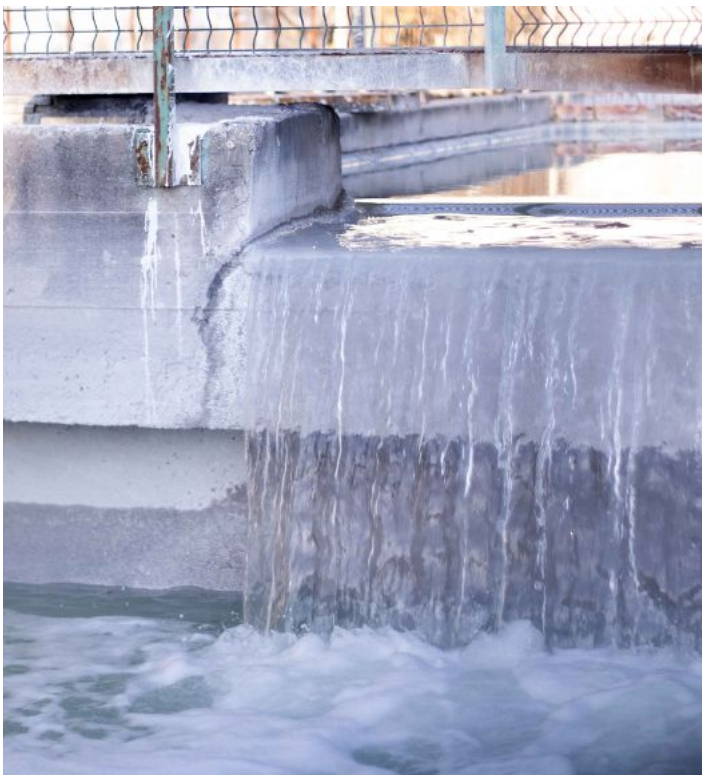
With this choice, we are adding value to the natural heritage of the Iberian Peninsula and reducing the effects associated with long-distance transport by decreasing carbon dioxide emissions.

RESOURCES

97% Water Reuse

Our manufacturing facilities are equipped with a water treatment station that processes water resulting from every production stage of the process.

After being treated, 97% of this water is reintroduced into the process. This internal reuse cycle is relevant as it reduces water consumption and values this essential natural resource.



EFFICIENCY



60% Renewable Energy

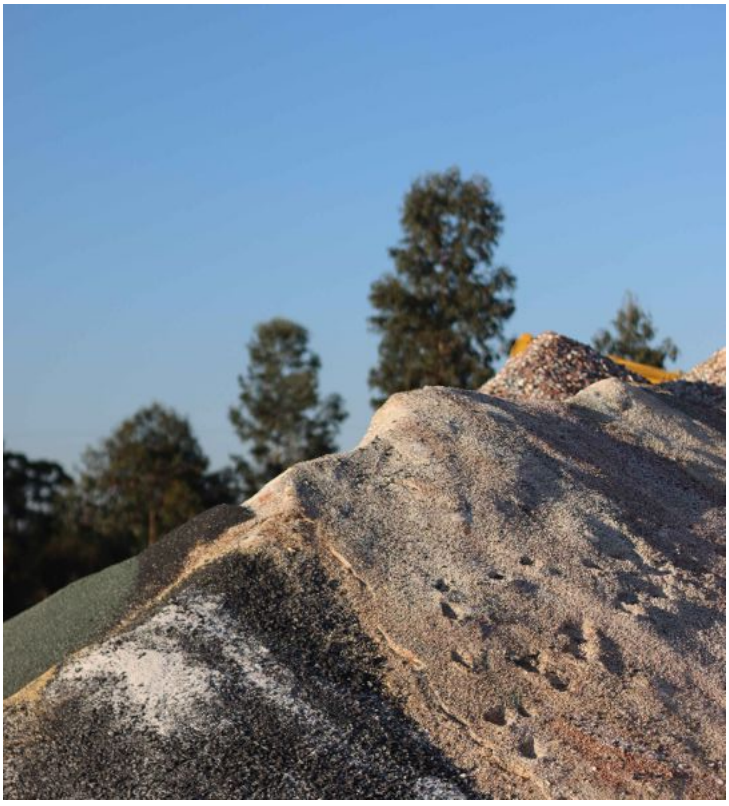
We guarantee that the energy supply in our facilities comes from renewable sources - Wind and Solar - reducing the emission of greenhouse gases that are harmful to living beings.

RESIDUES

100% Waste Separation

All RMC waste is sent to licensed entities after proper separation and characterization by type.

This ensures that appropriate reuse, recycling, and disposal are carried out in accordance with current regulations.





RESIDUES

99% Waste goes to Recycling

Of the industrial waste generated during the production process, 99% is destined for recycling.

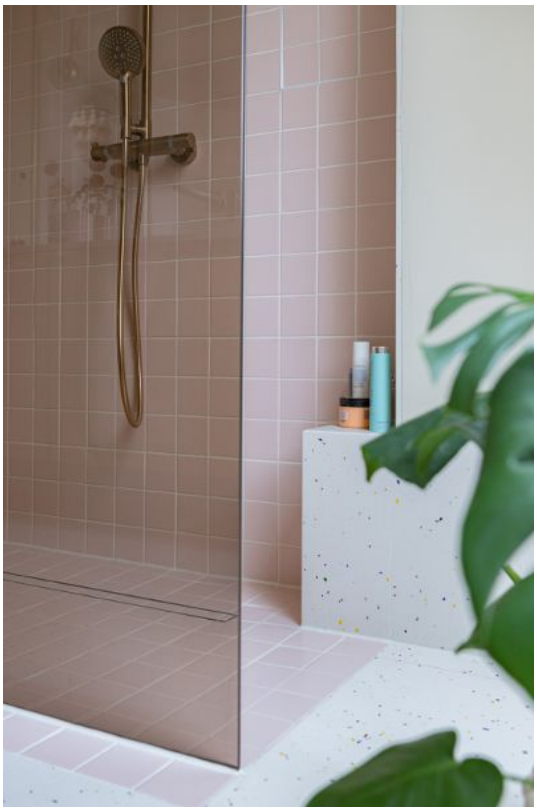
This process ensures that waste is sent to waste management operators who are properly licensed for each respective waste category.

PRODUCTS

VOC's Volatile Organic Compounds

Regarding our finished products, we have indicators of Volatile Organic Compounds (VOC) emissions that comply with the requirements for Greenguard and Greenguard Gold certification. These tests show that VOC emissions are very low after installing our material in various locations such as homes, schools, and hospitals.

RMC material has been tested for VOC emissions and obtained certifications in the years 2018, 2019 and 2020. Ongoing tests are being conducted for certification renewal.





INNOVATION

specifically designed to tackle challenges

Following the increasing demand for sustainable building materials, our internal R&D department has ongoing projects that focus on developing new products, applications, and solutions.

These projects are specifically designed to tackle challenges, minimize the environmental impact, promote change, and bring added value to the construction and architecture industries.

GREEN CERTIFICATION

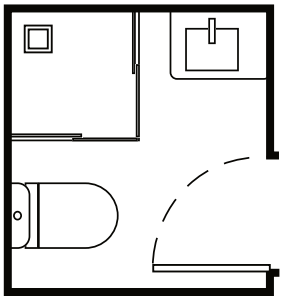
EPD
Environmental Product Declaration

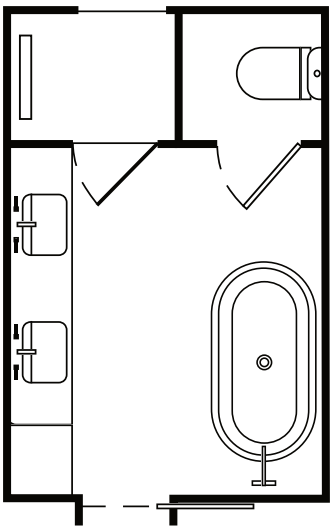
RMC is collaborating with external entities to thoroughly assess each specific scoring point and evaluate the overall sustainability status of our products.

This is an extensive study that we are currently conducting, making efforts to hand out our RMC product EPD declaration in the course of 2024.

These declarations are highly relevant documents that contain detailed and transparent information regarding the environmental impact of each construction material throughout its entire life cycle. This includes meticulous data regarding raw materials, material sources, energy sources, production processes, packaging, shipping, application, usage, disposal, etc..

EPDs (Environmental Product Declarations) aim to help construction planners and architects with the process of making sustainable choices of materials according to each project . They will also serve as a guide for us, manufacturers, to improve our road to reach more sustainable and environmentally innovative building products.





MADE FROM

our own production residues

Along our production process, there are three moments where material waste is generated - sludges from water treatment, leftovers from cutting and dust from stone crushing.

We have been exploring ways to re-introduce these residues back into the products: sludges have revealed difficult to incorporate, dust being the one with best properties for integrating and crushed cut-outs show signs of being very visually appealing to use.

Our RnD team will continue to explore different options in various settings to improve the incorporation of our residue waste. Our goal for the near future is to achieve a new elevated product using this waste, fulfilling one of our sustainability desires.



MADE FROM

paper industry residues

In a joint collaboration with local paper industries, RMC is exploring the potential of incorporating waste from the paper and pulp industries.

Tests have been conducted in our lab using samples developed for one of our existing products. The resulting samples were highly satisfactory, and we are now preparing to secure funding for further study on the viability of this development.



MADE FROM

demolition waste

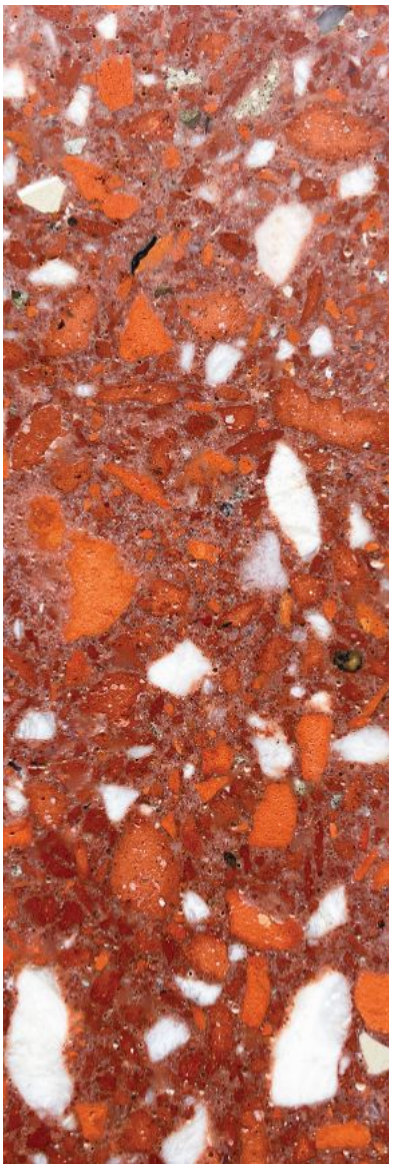
The construction sector is responsible for about 38% of the world's CO2 emissions, for 50% of all raw material extracted on earth, and represents almost 1/3 of the waste generated in the EU.

The industry is also demanding change due to the rising cost and scarcity of raw materials. Policies for waste management are becoming stricter in response to climate change.

With this in mind, RMC wants to be part of the change and make an impact. Therefore, we have an ongoing collaboration with an architecture studio that aims to create a catalogue of products using residues from building demolition waste.

A concrete example of these efforts is our partnership with matterpieces. In this innovative collaboration, we are creating new products based on demolition waste, thus demonstrating our commitment to the circular economy and reducing waste in the construction industry.

We believe that our products will help minimize the use of finite raw materials in architecture, reduce waste in landfills, and lower CO2 emissions through circular economy principles.



matterpieces

CONCLUSION

going beyond

Our focus lies in the future.

We aim to transcend traditional approaches, introducing products that not only tackle challenges but also contribute to the future of architecture.

We will persist in prioritizing projects aimed at minimizing environmental impact, promoting change, and adding value to the construction and architecture industries.

Would you like to join us on this journey?



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info@rmc.pt | **www.rmc.pt**

@rmc_beyondthestone linkedin.com/company/rmcsurfaces