

Mosa.



Health Care

Architectural tile solutions

A healthy dose of expertise

Design has become a factor for many patients in choosing health care facilities. An aging population and the need for more and more ongoing outpatient treatment centers has made this sector increasingly competitive. Architects tell us they feel a certain assurance when specifying Mosa for healthcare projects. This is because of Mosa's vast experience in tile technology and innovation, as well as real-world experience with best-in-class treatment and long-term care facilities with complex needs.

Mosa tile is crafted to endure under heavy hospital equipment and constant wheelchair and gurney traffic. Made with superior slip-resistance, it performs safely in public spaces and food service and patient care areas. Mosa technology is a thoughtful, expert choice for healthcare facilities.



Safety and health

Slip-resistant

Mosa tiles exceed the basic DCOF standard for slip-resistance. In high traffic or wet areas and on staircases, or ramps, slip-resistance is key to avoiding potential injuries.

Sustainable

Mosa makes the world's first and only Cradle to Cradle Certified™ porcelain tile, adhering to elevated standards of sustainability. These porcelains embody all of the TCNA-cited health, safety and environmental benefits, and may also qualify your project for LEED points, making Mosa a perfect choice for healthcare projects. Cradle to Cradle Certified™ is a certification mark licensed exclusively for the Cradle to Cradle Products Innovation Institute.

Suitable

Designers and facilities managers want patients feeling safe and secure from the moment they set foot in the door. This calls for a finish that's not only beautiful, but also smooth underfoot, meticulously rectified to install cleanly with no trip hazards, is supremely slip-resistant and that has zero VOCs so there's no lingering chemical odor or impact on the indoor environment.



HMC Antoniushove
Leidschendam, the Netherlands
Prent-Landman Architecten BNA
2015
Core Collection Terra (206V)
mosa.com/RF0650



HQE®



BREEAM® NL

Happy and healthy

There are few places in the world where design can impact quality of life more than in a healthcare environment. This is particularly true in facilities for long term care, chronic conditions, and ongoing outpatient care. Patients and caregivers alike are literally a captive audience for your designs, which can relieve stress, delight and soothe people.

Mosa is proud to provide versatile, beautiful materials so design pros can keep creating interiors that are relaxing, energizing, calming or whatever your goal is while using surfaces that truly make sense for healthcare providers. Mosa's team can help you create lighthearted designs using soothing, organic color palettes, zingy brights or clean, calming whites and cool greys. The Mosa online pattern generator is a font of inspiration and innovation in design for walls, floors and more.



Résidence Les Beaux Chênes
Liège, Belgium
Cabinet D'intérieur et Cabinet PHD
2018
Core Collection Solids (5102V, 5108V)
mosa.com/RF0805



AZ Sint-Jan Brugge-Oostende AV
Brugge, Belgium
AZ Sint-Jan
2008
Core Collection Terra (216V)
mosa.com/RF0336

**Clean =
healthy**

The cleaner you can build the indoor healthcare environment, the better. In spaces as frequently cleaned as healthcare interiors, routine maintenance can mean too much down-time for areas such as hallways. Mosa's extremely low surface absorption means wet floors dry faster for added safety and easy maintenance. Also, Mosa's precise edges allow for extremely tight grout joints, and that means you'll minimize any potential for mildew. Mosa's Cradle to Cradle certification also indicates zero offgassing, zero VOCs for cleaner air than most soft surfaces can offer.

Nourishing environments

There's a crucial need for thoughtful design in a patient care environment where patients and their caregivers will visit up to 100 times during the course of treatment. Family members, patients and staff may visit food service and other public areas over and over. Warm, cheerful design that stays fresh-looking over time (actually and aesthetically) and is still safe, functional and easy to clean is paramount.

With Mosa, you can take a rich excursion into design while using materials that hold up in these environments. With hundreds of colors and myriad sizes in wall tile, and Mosa's online pattern generator, the design possibilities are endless. Floor tiles also provide a beautiful, immersive foundation for your design that feels organic and appears everchanging. Our experts can help you create health-care environments that make the journey to wellness a bit less challenging.

By the numbers

Mosa exceeds industry standards, ensuring your project endures beautifully and safely.



Slip resistance

Safety

According to the National Safety Council (NSC), over 9 million disabling slip-and-fall injuries occur every year in the USA alone. The annual direct cost of disabling occupational injuries due to slips, trips and falls is estimated to exceed \$11 billion. When it comes to flooring, the type of mishap of greatest concern is slipping, tripping and falls on the same level, rather than falls from one level to another. Mosa saves your client from worry. With the application of Mosa's state-of-the-art technologies in porcelain tile manufacturing, tile is available to architects that exceeds the minimums for slip resistance, offering even more assurance against costly accidents.

Industry standard: 0.42 DCOF

Mosa standard: 0.70 DCOF

Abrasion resistance

Endurance

Flooring in healthcare projects must endure over time, and be a safe surface with integrity. Sourcing porcelain that is wear-resistant is key to satisfying this requirement. Custom design solutions that add even more slip resistance are also offered. Whether the concern is wheelchair traffic, public high traffic areas or stair treads, using Mosa will mean a worry-free installation because Mosa allows far less depth of abrasion than the standard:

Industry standard: <175 mm³

Mosa standard: <100 mm³

Face dimension

Horizontal safety and integrity

Dimensional consistency is key on floors for safety reasons, and lack of integrity here can be a gateway to more serious product failures down the road. Vertical beauty Shadows and lippage on walls impact the beauty of important designs. The nature of porcelain is that some warping is inevitable, but Mosa's exacting quality control allows for less warping in rectified porcelain than the industry standard.

Industry standard (face dimension, rectified): +/- 0.03"

Mosa standard: (face dimension, rectified): +/- 0.012"

Industry standard (warpage, rectified): +/- 0.07"

Mosa standard (warpage, rectified): +/- 0.06"

Breaking strength

Maintenance concerns

Foot traffic in many areas is not the only concern. Consider how maintenance will be performed in multi-level or highceilinged areas, for tasks such as window washing which often can involve heavy equipment or even vehicular traffic. Mosa's superior strength makes maintenance concerns practically vanish.

Industry standard: 250 lbs.

Mosa standards:

Thickness < .04" > 400 lbs.

Thickness > .04" > 700 lbs.



Meander Medical Center Amersfoort

Amersfoort, the Netherlands
Atelier PRO
Core Collection Terra (Custom design)
2013
mosa.com/RF0424



EMMC Lafayette Family Cancer Centre

Bangor, United States of America
SMRT Inc.
Core Collection Terra (204V)
2009
mosa.com/RF0334



Kenemer Gasthuis

Haarlem, the Netherlands
Global Collection/Globalgrip (75200V/75210V)
2010
mosa.com/RF0264

Service and support

Dedicated people

People make Mosa

This is clear from the smart design of our tiles and our services. Our employees and partners are active worldwide, in locations providing advice and in points of sale for a wide range of clients: designers, architects, commissioning parties, and consumers amongst others. They are all specialists who would be delighted to inform and advise you on the many possible uses of ceramic tiles in your project.

Customer Care and project advisers

We set high standards for the advice and support provided to our clients. This means that we actively aim for dialogue and that we are interested in what interests you. This forms the basis for good cooperation. We are happy to contribute ideas and suggestions to make things as easy as possible for you. We are a partner, from the beginning to the end of the building process. Our Customer Care employees and your project adviser are always ready to assist you.

mosa.com/contact

Dedicated partners

Mosa showrooms and distributors

Mosa has its own showrooms in Maastricht, Amsterdam, Frankfurt, and London, especially for designers, architects, and commissioning parties. At these showrooms, you can see and touch the entire tile collection for walls, floors, facades, and terraces. To this end, you can also turn to our selected distributors worldwide. We are ready to assist you, offering personal advice on the application of our products and services. You can find a showroom or distributor near you via our website.

Network of dedicated partners

Mosa has distribution centers in Europe and North America and supplies identical tile concepts worldwide. Thanks to a network of dedicated partners, our tiles can be purchased for spaces on various continents and also be delivered quickly. As all the logistical elements are closely linked with each other, your wishes form the central focus throughout the process.



Digital tools

Pattern Generator

The Pattern Generator allows you to create endless variations with patterns for walls and floors. Once you have chosen a pattern, the tool calculates the exact number of tiles required. It also automatically generates a working drawing with instructions for the tiler. The Pattern Generator allows a free choice from all possible formats, grids, textures, and colors that can then be exported to SketchUp, AutoCAD, Revit, and BIM. You can find the Pattern Generator on our website.

Data selection tool

Mosa provides product information for 2D and 3D design software in a variety of formats. By means of wizard, we can help you quickly find the product information for your chosen product in the right format. This means that the information can be directly converted to DWG, IFC, JPEG, DXF, or PAT, and indirectly to RVT. The wizard allows you to download the desired information; you can then simply import it into your software package.

Digital specification service

Mosa offers a local digital specification service for all products from the collection. This allows you to quickly find the full specification details for all series. The format and content of the descriptions vary per country. You can easily add the required description to your specifications.

Digital tools

Mosa Magazine

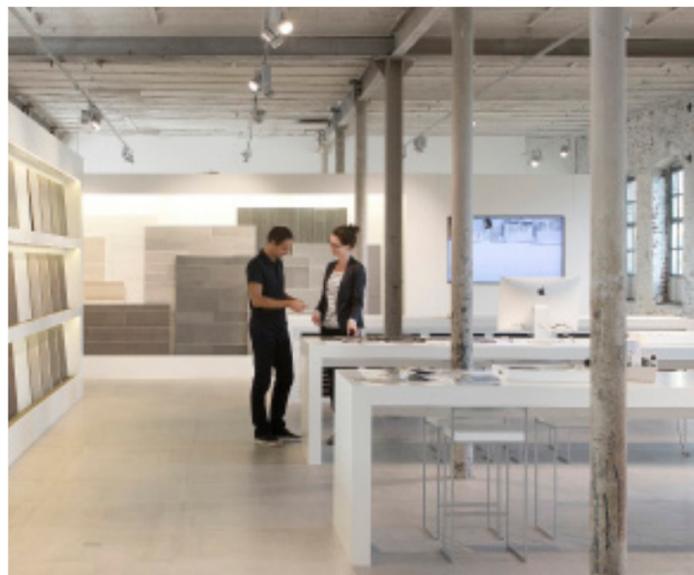
Via our online blog, Mosa Magazine, we inform you of developments in the field of ceramic tiles, construction, and architecture. Here you can find tips for the installation of ceramic tiles, our vision of sustainability, an explanation of the properties of ceramic, building regulations, and examples of the use of our tiles series in international projects, amongst other information.

References and case studies

We like to inspire through our tiles. We are therefore constantly collecting examples of international projects in which our series have been incorporated. We regularly single out a reference as a case study. We enter into dialogue with the architect, designer, or user of a space regarding their reasons for choosing Mosa. These references and case studies can be found on our website.

Social media

For inspiration, reference projects, news, and events, you can follow us via social media. You can find us on Facebook, Twitter, LinkedIn, Instagram, Pinterest, and various other channels. Choose your favourite channel and be kept updated on architecture and ceramic tiles.



On the case

Mini Case Study: ProHealth

The UW Cancer Center at ProHealth Care in Wisconsin is warm and inviting, promoting comfort while easing stress. Cannon associate Heather Clinger served as interior designer on the project. She explained, "We looked to patient advisory teams to inform the process, especially the infusion center. They wanted it to be more open and social, with areas to rest, and things contiguous and sequencebased, with a level of discovery so the newness-factor won't wear off."

Great design solutions included:

For warmth: Fireplaces with feature walls of Mosa tile. Says Ms. Clinger, "They wanted a place to gather, a welcoming atmosphere."

For play of light: Mosa's Terra Tones, with varying shades and depths. As patients will revisit the facility dozens of times, it calls for interesting materials that vary by time of day and angle of view.

Organic look, high tech performance: Within a palette chosen to reflect the natural landscape surrounding the facility, Cannon wanted an engaging, organic look. Mosa helped them achieve it because the tile changes within the pattern. No two are alike.

Precision and resilience: Cannon needed flooring that could hold up to the salt-heavy Wisconsin winters and be smooth under daily wheelchair use. Mosa's precise face dimension and rectified edges allowed for smoothness and minimal grout joints, and abovestandard slip resistance rendered everything safe.

Sustainability: Ms. Clinger says regardless of the project, "Cannon always starts from a sustainable story." Mosa is the first and only C2C certified porcelain tile manufacturer. "Of course that will impact our choice," says the designer.

For more Mosa case studies visit
www.mosa.com/us

A healthy reputation

Mosa's recent notable healthcare projects include:

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| Pro Health Care Cancer Center | Waukesha, WI | CannonDesign |
| EMMC Lafayette Family Cancer Center | Brewer, ME | SMRT Inc. |
| Brigham & Woman's Hospital | Boston, MA | NBBJ – Boston |
| UT South Western Radiation Oncology | Dallas, TX | Perkins + Will – Dallas |
| Gillette Children's Hospital | St. Paul, MN | BWBR Architects |
| Partners Healthcare | Boston, MA | Gensler – Boston |
| Children's Hospital Building of Hope | Seattle, WA | Zimmer Gunsul Frasca Architects, Ltd. |
| Klingenstein Clinical Center – Cardiac Critical Care | New York, NY | Array Architects |
| UCLA Medical Plaza | Los Angeles, CA | Van Tilburg Banvard Soderbergh |
| Hartford Hospital – Bone & Joint Outpatient | Hartford, CT | HDR – NYC |
| CCRM Fertility Lab | New York, NY | Perkins + Will – NYC |
| Valley Medical Center | Seattle WA | NBBJ – Seattle |
| UMC Maastricht | Maastricht, the Netherlands | Architecten aan de Maas |
| Meander Medical Center | Amersfoort, Netherlands | Atelier PRO |
| Smiledent | Ieper, Belgium | Stephanie Laporte Interior Architect |
| Nart Clinica Dental | Barcelona, Spain | Buro Guillermo Banares Arquitectos |
| Parcelsus Kliniken | Osnabrück, Germany | Ruge + Göllner + Tönies + Schroeter + Jansen Freie |

For more project inspiration visit mosa.com/healthcare



Sustainability is our foremost priority. To achieve this, we adhere to the Cradle to Cradle philosophy.



Mosa.

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