



Flooring Solutions

Seamless Flooring Systems



Our reference in Dresden (Germany):
80. elementary school

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Master Builders Solutions

The Master Builders Solutions brand brings all of our expertise together to create chemical solutions for new construction, maintenance, repair and renovation of structures. Master Builders Solutions is built on the experience gained from more than a century in the construction industry. The know-how and experience of a global community of construction experts form the core of Master Builders Solutions.

We combine the right elements from our portfolio to solve your specific construction challenges. We collaborate across areas of expertise and regions and draw on the experience gained from countless construction projects worldwide. We leverage global technologies, as well as our in-depth knowledge of local building needs, to develop innovations that help make you more successful and drive sustainable construction.

The comprehensive portfolio under the Master Builders Solutions brand encompasses concrete admixtures, cement additives, solutions for underground construction, waterproofing solutions, sealants, concrete repair & protection solutions, performance grouts, performance flooring solutions and solutions for on- and offshore wind energy.

Our comprehensive portfolio

- Concrete admixtures
- Cement additives
- Chemical solutions for underground construction
- Waterproofing solutions
- Sealants
- Concrete repair and protection solutions
- Performance grouts
- Wind turbine grouts
- Performance flooring solutions



Seamless Flooring Systems

Shaping new rooms starts with the floors. Our Master Builders Solutions experts offer tailor-made solutions for all your projects, no matter what your requirements or design wishes may be.

If you have big plans, you need a strong partner. We at Master Builders Solutions can look back on more than one hundred years of experience in the construction chemicals field. Thanks to this experience and continuous investment in research and development, we are in a position to develop optimum product solutions.

As a specialist in seamless flooring systems, we offer tailor-made solutions for a wide range of applications that are not only outstandingly well-suited to meet functional requirements but also allow interior designers considerable scope for creativity.



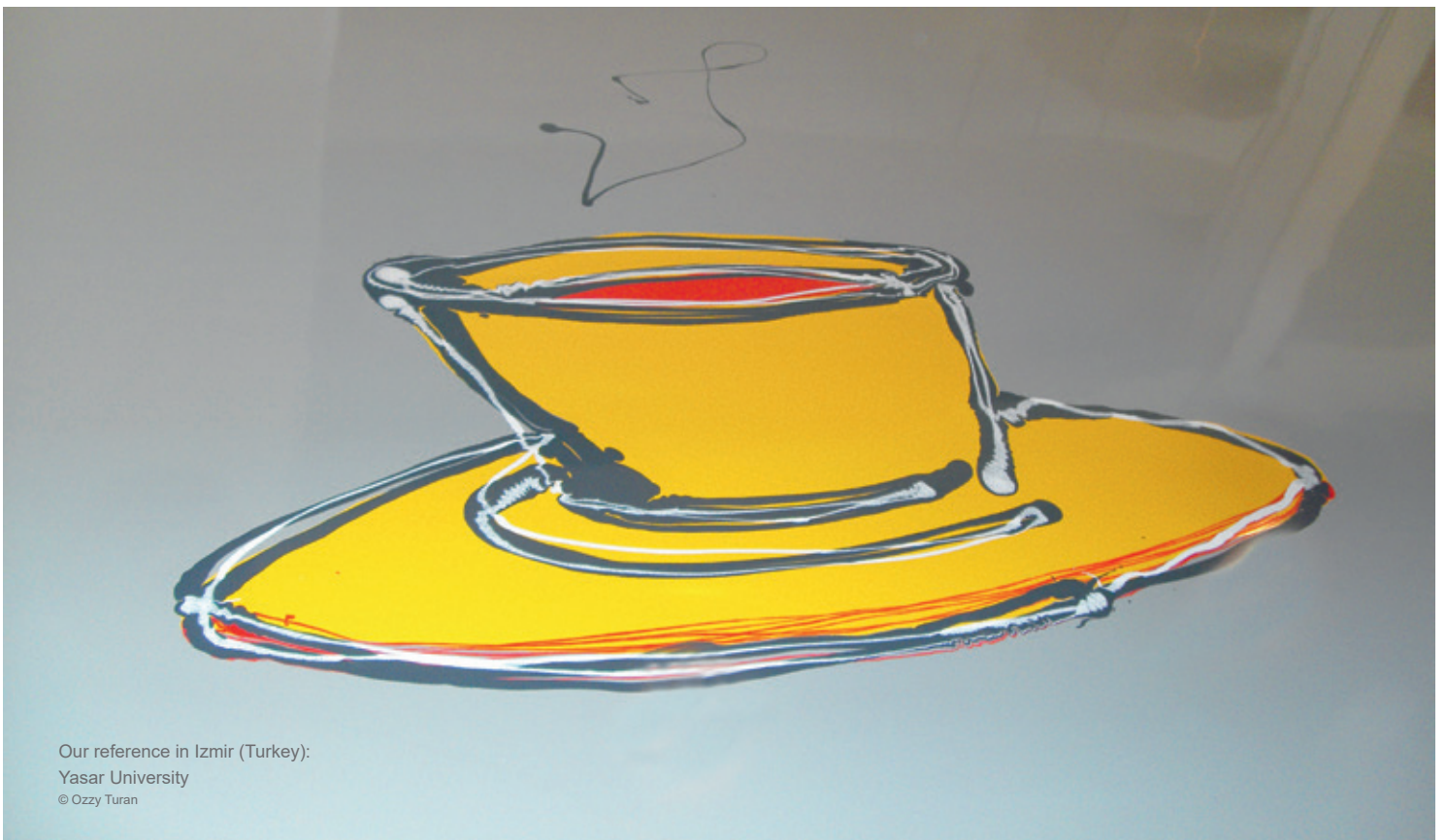
Our reference in
Neckarsulm (Germany):
Bechtle AG



Our reference in Pfäffikon (Switzerland):
School Weid



Our reference in Rotterdam (The Netherlands):
Veterinary practice



Our reference in Izmir (Turkey):
Yasar University
© Ozzy Turan



Unlimited Possibilities at Your Disposal

Almost no other flooring material allows flooring to be designed as precisely in line with specific needs and requirements as polyurethane or epoxy resin. The floor is built up layer by layer and adapted individually to your specifications and requirements. In addition, these flooring materials are exceptionally durable and versatile and in the event of a change of use allow the floor to be adapted to the new conditions.

Tailor-made solutions

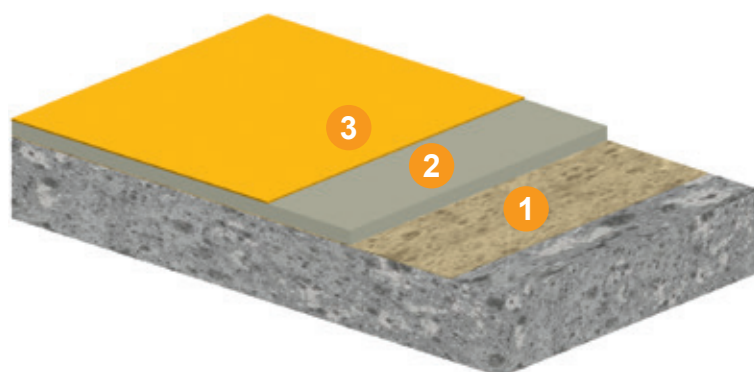
Properties such as sound deadening, slip resistance, high chemical, mechanical and temperature resistance and resistance to light and weather, can be tailored to the needs of the project at the same time as meeting any special requirements you might have such as antibacterial properties or electric conductivity.

The high versatility of these flooring systems is connected with their multi-layer configuration. First the primer establishes a monolithic bond to the substrate. The body coat, which is applied next, provides the required floor properties, while the top coat gives the floor its attractive appearance and a scratch-proof surface. Depending on the individual application, the total thickness of the flooring is between 1.5 and a maximum of 12 mm.

Saving you time and money

Our flooring solutions are applied in liquid form and harden without any joints. This means an easy to clean floor, saving you time and money. It also gives you a floor free from any seams or joints, apart from expansion joints, which can be installed even in areas with complex geometric shapes.

- 1 Primer**
Establishes a monolithic bond to the substrate.
- 2 Body Coat**
Reactive resin applied in liquid form; determines the mechanical properties of the flooring.
- 3 Top Coat**
Ensures an attractive scratch-proof surface and offers a variety of design possibilities.





Creativity Meets Flooring

Floors are increasingly being used as a design element – often with fascinating results. Through its sheer size a floor has considerable presence and can therefore impressively change the appearance of a room. We are proud to offer an incredible range of possibilities – and, of course, are always free from joints.

The times when extremely durable floors also had to look extremely durable are over. With

the products of Master Builders Solutions the appearance of every floor can now be adapted to your individual wishes. It is not only possible to use a corporate color scheme; special patterns and logos can also be incorporated. Even extravagant solutions such as the use of glass beads are feasible and give a floor an extraordinary appearance. Give your creativity free rein: choose our versatile MasterTop polyurethane systems.



Our reference in Salzburg (Austria):
Apple Store



Our reference in Darmstadt (Germany):
Telekom AG, design and implementation: Jeanet Hoenig



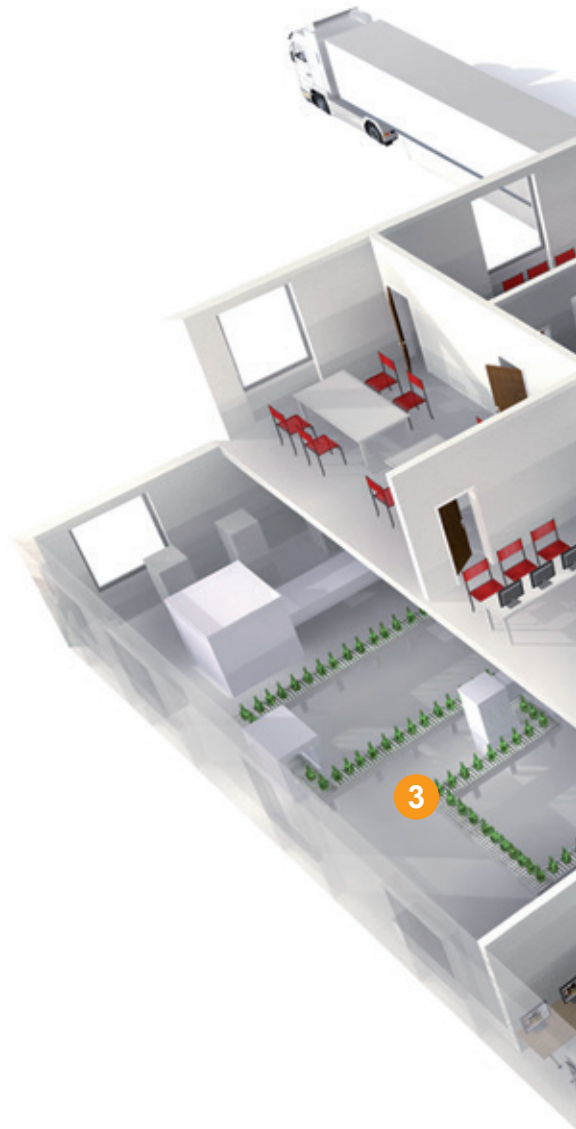
Every Floor Is a High-Performance Product

Every floor is different: the surroundings, the location of a floor within the building and the loads it faces form a profile that is almost unique – from foyers to production and office rooms as well as parking spaces. Jointless flooring systems such as those produced by Master Builders Solutions are applied in liquid form and can be adapted to the individual requirements of each specific project. The floors produced fit as well as a bespoke suit but last much, much longer.

A holistic consulting approach

In order to allow our customers to make full use of the wide range of possibilities offered by Master Builders Solutions, we have developed a number of services to support you – be it as an owner, designer, architect and application contractor, from conceptual design through to the completion of your project. Our holistic consultancy approach includes support for each stage of the design and decision-making process. On the basis of your project requirements, our specialist staff will show you the wide range of available possibilities. This way, you can always be sure that you choose the right floor for your refurbishment, modernization or new build project.

For further information, go to:
www.master-builders-solutions.com



1. PU coatings

PU – polyurethane – is a material with convincing properties such as elasticity, crack and scratch resistance. Floors made of polyurethane resins are extremely tough, attractive, pleasant to walk on and very durable. PU systems form a homogeneous surface with no weak points. Classical applications are medical and educational facilities, office buildings as well as commercial establishments.

2. EP coatings

Epoxy resin flooring features high light reflectance and is therefore widely used in factories and warehouses. The product profile includes high mechanical strength as well as resistance to oils, fuels, dilute acids, brine and salt solutions.



3. Ucrete polyurethane concrete

These flooring systems from Master Builders Solutions feature extraordinarily high resistance to mechanical, chemical and thermal stress. Ucrete floors retain their integrity at temperatures up to 130 °C and meet the most stringent hygiene and cleanliness requirements. They are predestined for use in the food and beverage, chemical and pharmaceutical industries.

4. MasterTop cement based floor coverings

These toppings are based on sand, special cements and hard aggregates and feature extremely high mechanical resistance. These products are especially well suited for use in areas where the floor faces increased wear caused by forklift trucks or heavy objects are expected to impact the floor.



Our references in Zurich (Switzerland):
ETH Sports Center



Tailored to Meet the Challenges of Daily Use

It is the specific application that determines the functional, aesthetic and technical requirements to be met by a floor. Our Master Builders Solutions experts offer you tried and tested high-performance flooring systems tailored to meet the requirements of specific applications. Our portfolio includes a wide variety of system solutions:

Public and commercial – Durable, convenient MasterTop system solutions for elegant floors in shops, hotels, offices and administrative buildings.

Education – Tough MasterTop floors for a pleasant environment in schools and universities.

Health and care – High-performance MasterTop flooring systems for high standards of hygiene and cleanliness in medical and health care facilities.

Industry – MasterTop floor toppings for factories and warehouses.

Food and beverage, chemical and pharmaceutical – Sturdy Ucrete polyurethane concrete systems for extreme chemical, mechanical and thermal loads, plus MasterTop systems for attractive office environments.



Our reference in Affalterbach (Germany): Mercedes-AMG



Elegant Floors for Public Spaces

First impressions count, and this is a decisive factor in areas open to the public. A well-maintained, inviting floor creates a positive first impression. Of course, it is not only the appearance of the floor that matters – other factors such as acoustics and cleanliness are also important. Aesthetics and functionality need not be mutually exclusive – a MasterTop floor can have a positive effect in both areas.

Whatever requirements your floor must meet, whether you need high walking comfort, good impact sound insulation, high abrasion resistance or sound-deadening qualities – you can combine quality, safety and durability with an elegant design using products from Master Builders Solutions.



Our reference in Zurich (Switzerland):
Werd bar and restaurant



Our reference in Utrecht (The Netherlands):
Utrecht University



Our reference in Dresden (Germany):
80. elementary school



Well-Founded Knowledge

Learning should be fun. Well-maintained, friendly surroundings and flooring with high user comfort can do much to make the experience enjoyable. Our MasterTop flooring systems also have a number of advantages for educational facilities, from the entry hall to the classroom. The wide variety of colors available helps in structuring buildings and creating a positive atmosphere. Our flooring systems not only feature an attractive appearance but also meet any

requirements you might have, be they sound deadening, resistance to mechanical and chemical stress, easy cleaning and many more.

Especially in public buildings, cost is a key factor. The long service lives and low maintenance expenses of our MasterTop flooring systems play a key role in the economics of new-build and renovation projects.



Our reference in Zurich (Switzerland):
Pestalozzi Library



Health Starts with the Right Floor

There is scarcely another field with such stringent hygiene requirements as medical and health care facilities. The selection of the right floor covering plays a decisive role in meeting these requirements. Joints and seams are weak points in a floor covering which by their very nature are difficult to clean. This is a problem that is simply eliminated by our flooring products from Master Builders Solutions, as every floor is a single piece.

Our system components are perfectly matched to each other, thus offering a number of benefits in the health sector, such as a special sealcoat with proven bacteriostatic effect. In this field, a homogeneous surface and excellent cleaning properties are just as important as effective sound-deadening characteristics. With MasterTop systems from Master Builders Solutions, the long-term functionality in patients' rooms and in therapy areas is guaranteed.



Our reference in Winterthur (Switzerland):
Lindberg private hospital



Our reference in Zurich (Switzerland):
Medbase medical centre



Our reference in Munich (Germany):
BMW



The Hard Facts of Industrial Flooring

Industrial floors are certainly not handled with velvet gloves. The challenges they face vary from sector to sector and may include high temperatures, aggressive chemicals and severe mechanical loads. The only gloves likely to be used are heavy-duty protective gloves or special clean-room gloves.

The Master Builders Solutions experts offer a comprehensive portfolio of systems for a wide variety of applications ranging from classical industrial floor coverings to special conductive flooring. Apart from all their other advantages, MasterTop and Ucrete floors feature durability, a jointless, seamless design and excellent cleaning properties, thus saving you time and money.



Our reference in Aadorf (Switzerland):
Halag Chemie AG



Meeting the Strictest Hygiene Standards

Food is a matter of taste, and opinion on food may be very different. The situation is different at food and beverage production plants, where very specialized and extremely durable industrial flooring is required. To meet the extremely stringent functionality and hygiene requirements faced by the food industry, intensive cleaning with hot water, steam and cleaning chemicals is employed. Water and grease from the production process can make floors slippery, while organic acids and other aggressive substances may also be spilt on the floor.

In this area in particular, we at Master Builders Solutions have been setting standards for decades with the Ucrete polyurethane concrete system. The easy-to-clean flooring system, which only has minimum joints, ensures that stringent hygiene standards are reliably met. Its individually adjustable anti-slip properties also ensure a safe working environment. Ucrete floors are long lasting even when subject to extreme thermal shock, aggressive chemicals and abrasion, thus providing best value for money.



Our reference in Oettingen (Germany):
Oettinger brewery



Our reference in Rüsselsheim (Germany):
Catering kitchen in GPR Gesundheits- und Pflegezentrum



Our reference in Zurich (Switzerland):
ETH Sports Center



Master Builders Solutions: A Responsible Choice

To make a well-founded assessment of the cost of a flooring system, many companies now consider the entire product life cycle. The advantage of this approach is that it not only takes into consideration the initial investment, but also maintenance expenses, repairs and service life. This is the only way of effectively comparing high-quality, durable products with lower-quality floor coverings that have a shorter service life.

Longer service life

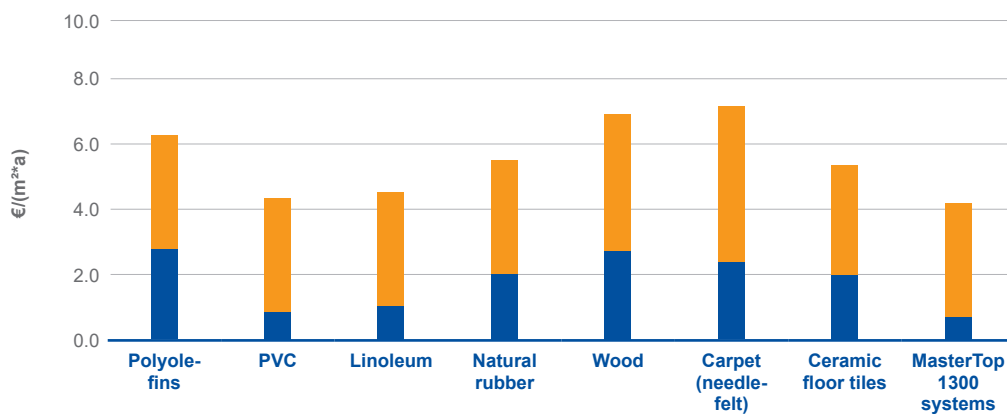
In a life-cycle analysis of this type, our flooring systems have repeatedly and convincingly demonstrated their cost-effectiveness. This is where factors such as long service life and low cleaning expenses come into their own. Did you know that 80 per cent of the total cost of a floor covering is not caused by installation but by cleaning and maintenance? Our floor systems are very easy to clean and therefore cause very low maintenance expenses.

Thanks to a homogeneous surface and a monolithic bond to the substrate, neither dirt nor moisture can penetrate under the floor covering.

To enhance the sustainability of our floors, we analyze the life cycle of the systems from raw material production through manufacture and application to disposal. The environmental impact of each stage in the process is investigated. It is thanks to this independent, external analysis that we can continue to improve on the good results of our flooring systems. Many of our systems are now non-solvented and contain renewable raw materials and natural fillers.

Not only is the tailor-made functionality of our flooring products persuasive, but also their economic and environmental advantages. Choosing our systems is a responsible choice.

Durability and cost efficiency at a glance



	Polyolefins	PVC	Linoleum	Natural rubber	Wood	Carpet (needle-felt)	Ceramic floor tiles	MasterTop 1300 systems
Expected useful life (years)	20	25	25	25	40	15	40	50
Maintenance (cleaning) in €/m²·a	3.5	3.5	3.5	3.5	4.2	4.9	3.2	3.5
Floor covering costs in €/m²·a	2.7	0.9	1.0	2.0	2.4	2.4	2.0	0.7

Source: BMG Engineering AG



High Performance Day by Day

Everyday use is the best proof of the quality of our jointless flooring systems from Master Builders Solutions. Architects opt for our versatile system solutions for their projects because they know that we offer the right floor covering to meet any challenge. The reference projects listed below illustrate the wide range of applications for our products.

Public and commercial

- Google, Zurich (Switzerland)
- Swarovski AG, Männedorf (Switzerland)

Education

- Kindergarten, Karlsruhe (Germany)
- Fleischereischule, Augsburg (Germany)

Health and care

- Altenpflegeheim St. Anna, Schwäbisch Gmünd (Germany)
- Rehacenter Mittelbaden, Rastatt (Germany)

Industry

- Siemens AG, Munich (Germany)
- Procter & Gamble, Cologne (Germany)

Food and beverage

- Carl Müller GmbH & Co. KG Rügenwalder Wurstfabrik, Bad Zwischenahn (Germany)
- Oettinger Brauerei GmbH, Oettingen (Germany)

LaVita ♂



Our reference in Oudenaerde (Belgium):
Klein Londen Fashion



Master Builders Solutions for the Construction Industry

MasterAir

Complete solutions for air entrained concrete

MasterBrace

Solutions for concrete strengthening

MasterCast

Solutions for the manufactured concrete product industry

MasterCem

Solutions for cement manufacture

MasterEase

Low viscosity for high performance concrete

MasterEmaco

Solutions for concrete repair

MasterFinish

Solutions for formwork treatment and surface improvement

MasterFlow

Solutions for precision grouting

MasterFiber

Comprehensive solutions for fiber reinforced concrete

MasterGlenium

Solutions for high performance concrete

MasterInject

Solutions for concrete injection

MasterKure

Solutions for concrete curing

MasterLife

Solutions for enhanced durability

MasterMatrix

Advanced rheology control for concrete

MasterPel

Solutions for hydrophobization, anti-efflorescence and surface protection

MasterPolyheed

Solutions for mid-range concrete

MasterPozzolith

Solutions for water-reduced concrete

MasterProtect

Solutions for concrete protection

MasterRheobuild

Solutions for high strength concrete

MasterRoc

Solutions for underground construction

MasterSeal

Solutions for waterproofing and sealing

MasterSet

Solutions for set control

MasterSphere

Solutions for guaranteed freeze-thaw resistance

MasterSuna

Solutions for sand and gravel in concrete

MasterSure

Solutions for extraordinary workability retention

MasterTop

Solutions for industrial and commercial floors

Master X-Seed

Advanced accelerator solutions for concrete

Ucrete

Flooring solutions for harsh environments



QUANTIFIED SUSTAINABLE BENEFITS ADVANCED CHEMISTRY BY MASTER BUILDERS SOLUTIONS

Let the numbers do the talking: We have portrayed some of our most eco-efficient product solutions for concrete and precast production, construction, civil engineering, and flooring.

sustainability.master-builders-solutions.com



Master Builders Solutions UK Ltd

19 Broad Ground Road, Lakeside, Redditch
Worcestershire, B98 8YP, United Kingdom
P +44 1527 512 255, F +44 1527 503 576
redditchcom@mbcc-group.com
www.master-builders-solutions.com

Master Builders Solutions UK Ltd

Swinton Hall Road, Swinton
Manchester, M27 4EU, United Kingdom
P +44 161 727 6300
cheadle-csd@mbcc-group.com
www.master-builders-solutions.com

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