

The Chemical Company





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## Master Builders Solutions from BASF

Building on partnership. Our Master Builders Solutions experts find innovative and sustainable solutions to meet your specific construction needs. Our global experience and network help you to be successful – today and tomorrow.



## **Master Builders Solutions**

The Master Builders Solutions brand brings all of BASF's 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 BASF 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 BASF 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, chemical solutions for underground construction, waterproofing solutions, sealants, concrete repair and protection solutions, performance grouts, performance flooring solutions.



## Health Starts with the Right Floor

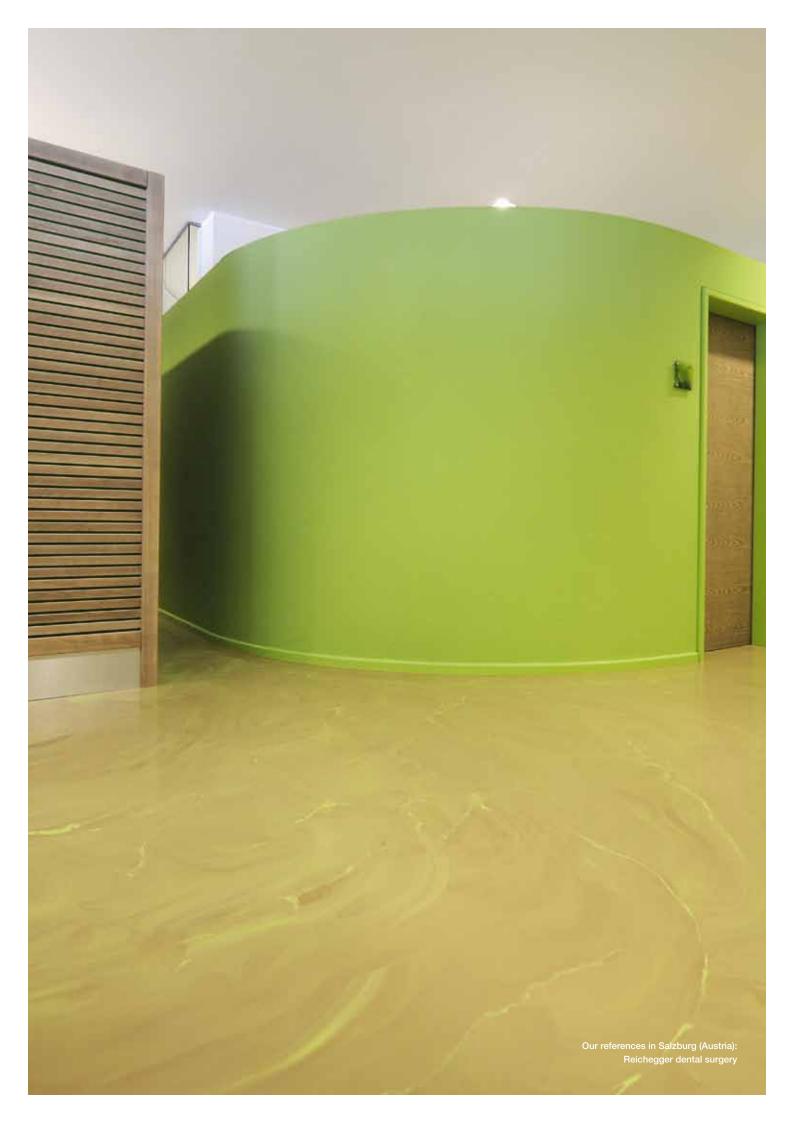
Meeting the highest standards. The right floor covering in hospitals and care facilities is a question of trust: durable, hygienic and easy to clean. Our Master Builders Solutions experts offer tailor-made flooring solutions to meet the requirements of your specific project.

Less than 200 years have passed since the introduction of hygiene standards in medicine. Today, hygiene is an essential consideration in health care – especially with regard to interior room design; for example, the spread of germs and bacteria can be prevented by selecting the right floor covering. Another important fact to remember is the connection between a feeling of well-being and patient recovery, where the surroundings have a considerable influence. In addition, hospitals and healthcare facilities are places of work and businesses that need to think and act entrepreneurially.

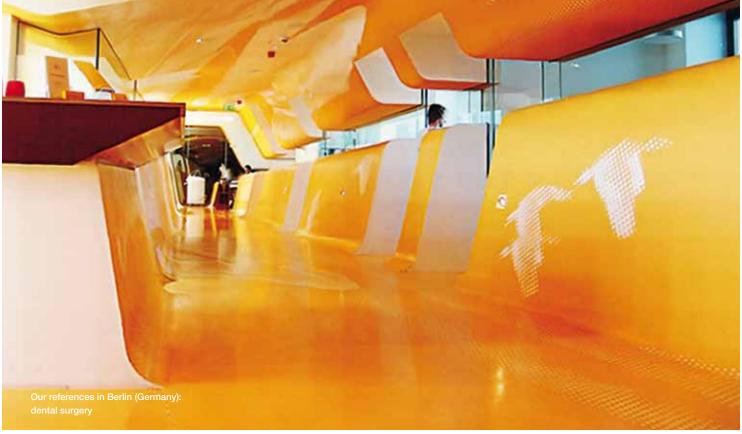
Master Builders Solutions from BASF is the right choice for your project. We at BASF can look back on more than one hundred years of experience in the construction chemicals field. Thanks to this experience and continuous investment in research and development, we are in a position to offer optimum product 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 your functional requirements, but also allow interior designers considerable scope for creativity.











# **Unlimited Possibilities** at Your Disposal

Over the next few years, demographic change will call for the construction of a large number of new healthcare facilities. As they grow older, more and more people will want to live as independently as possible for as long as possible in comfortable, suitable surroundings. for their age. New residential models and building types will be the result. In the healthcare sector, activities will focus on the equipment of medical practices, hospital refurbishment and new hospital projects. These projects all have a number of factors in common: hygiene, functionality and comfort requirements, coupled with the need for an attractive appearance – starting with the floor.

## **Developed for your needs**

MasterTop floor systems combine hygiene, ease of cleaning and durability with a high degree of comfort and individual design possibilities. The liquid-applied floor coverings harden without

any joints, creating a homogeneous surface that is easy to clean. As hygiene is the top priority, the experts from Master Builders Solutions have developed flooring systems with a bacteriostatic effect. Our antibacterial MasterTop systems prevent bacterial growth and the transfer of germs across the floor. Thanks to a wide range of colors and design options, you will be able to realize attractive interior which are conducive to health at the same time as meeting demanding functional requirements and ensuring a long service life.

Many of the advantages of MasterTop flooring systems arise from their application in liquid form. These are easy-to-use products allowing fast processing and convincingly short installation times, thus saving you time and money. The multi-layered structure of these flooring systems makes them highly versatile.

## 1 Primer

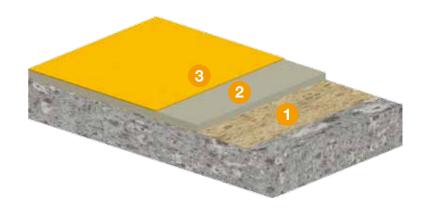
Establishes a monolithic bond to the substrate.

## 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.





Flooring Systems for Medical and Healthcare

**Facilities** 

Hospital and healthcare infrastructure has a wide range of specific requirements, depending on the application. Hardly any other sector poses such stringent performance requirements as healthcare. Seamless flooring systems can be adapted to individual requirements using additives or special top coats. The floors produced fit as well as a bespoke suit but last much, much longer.

The Master Builders Solutions experts offer a comprehensive service to support you, be it as an owner, designer, architect or application contractors, from conceptual design through to the completion of your project.

Our holistic consultancy approach includes supporting you during each stage of the design and decision-making process. On the basis of your project requirements, our expert representatives will advise on the wide range of available flooring options. This way, you can always be sure that you choose the right floor for refurbishment, modernization or a new building project.

For further information, please contact: www.master-builders-solutions.basf.co.uk



## Your benefits at a glance

## Individual:

- Colors and design offer scope for creativity
- Wide range of colors

## **Excellent environmental performance:**

- Low emissions in accordance with AgBB (Committee for the Health Assessment of Construction Products) requirements
- Non-solvented systems
- Use of renewable raw materials



## Reliable and versatile:

- Seamless flooring
- Ideal for rooms with complex shapes
- Special properties, for example: sound-deadening non-yellowing and anti-slip

### Economical:

- Strong, abrasion-resistant surface with a long service life
- Easy cleaning of seamless surface for low maintenance expenses
- Low life-cycle costs



## Reception and Administrative Areas

First impressions count, but they are especially important in healthcare facilities. Patients should feel well cared-for, visitors should have a positive impression and employees should find it an attractive place to work. Reception and administrative areas are shop windows, and must reflect the quality of the facility.

## Room for your creativity

Giving you considerable scope for creativity thanks to the large number of colors and designs available, our MasterTop 1326 floor coverings are key elements of high-grade interior designs, meeting the highest technical and comfort standards. High-traffic areas are closely examined by many people. Well-designed interiors address all the senses: MasterTop polyurethane floor coverings ensure high walking comfort as well as a quiet environment as footfall noise is reduced. Thanks to the durability of the flooring, these positive properties are maintained over its entire service life – however large the number of visitors.

## System example MasterTop 1326\*

For comfort floors in creative colors and designs.



### System features

- Low emissions in accordance with AgBB
- Fire protection class Bfl-s1
- Odourless
- Non-yellowing
- Suitable for underfloor heating
- Smooth or anti-slip
- Abrasion-resistant, suitable for castor wheel use
- Variable thickness

### **System benefits**

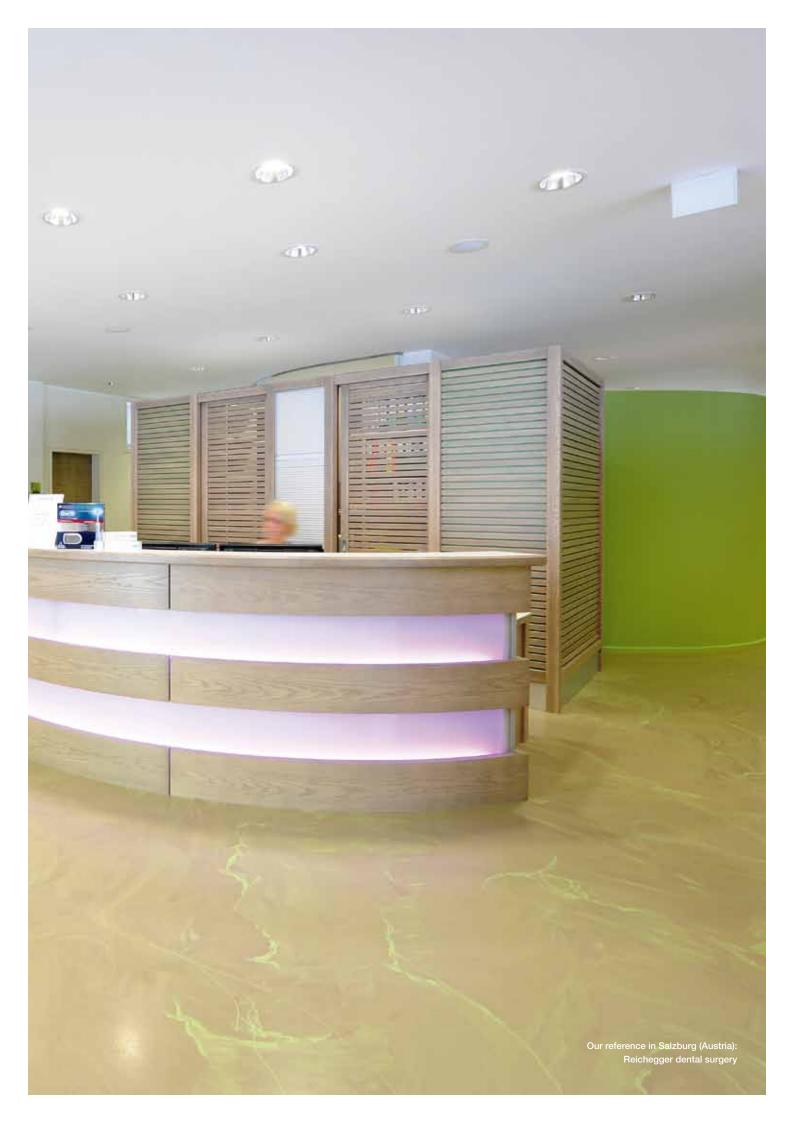
- Creative color and design combinations for individual floor designs
- Excellent walking properties; relieves stress on joints
- Reliable use in rooms with complex shapes
- Easy cleaning of seamless surface for low maintenance expenses
- Low life-cycle costs

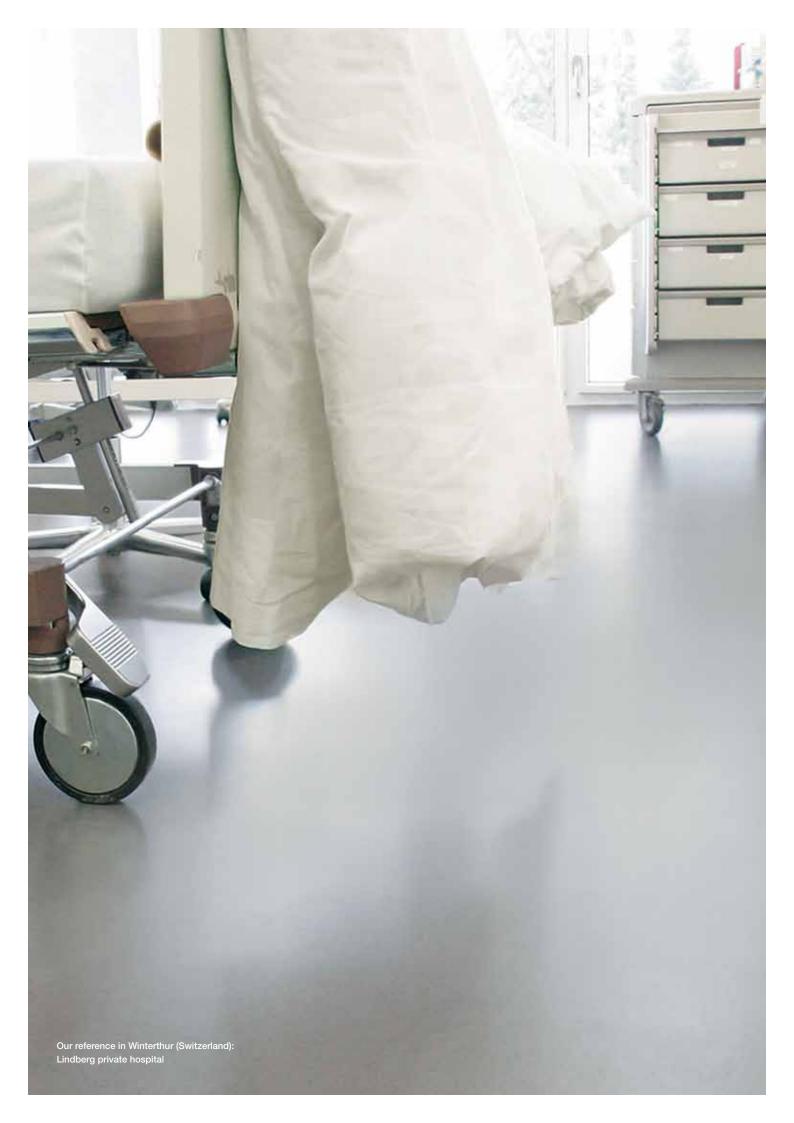
### Other applications

Entry and waiting areas, pharmacies, corridors

- MasterTop 1324 for floors with especially high resistance to mechanical and chemical loads.
- MasterTop 1325 for colorful floors with high walking comfort.

<sup>\*</sup>The appropriate flooring system must be selected on the basis of the particular requirements for the individual project.







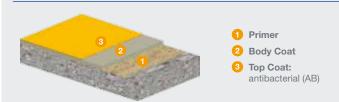
## Lounges, Patient and Examination Rooms

Needless to say, home is the best place to be. So it's a good thing to feel (almost) at home in a hospital and especially in a residential home. However, unlike the floor in a private home, flooring here has to perform a number of functions in addition to being decorative.

Our MasterTop 1325 AB system is an essential part of a holistic interior design concept - it is both healthy and functional. The bacteriostatic surface meets the most stringent hygiene requirements, inhibiting both bacterial growth and the cross-contamination of germs. Certificates issued by independent test laboratories confirm that its surface still has a bacteriostatic effect after many years of use with regular cleaning, which is good to know. In addition, this flooring system is highly abrasion resistant, withstands chair and bed castors and wheels, and is highly impact resistant. The wide range of colors available allows you to create individual designs. Finally, the system can also be installed on existing coatings or other floor coverings.

## System example MasterTop 1325 AB\*

For colorful floors with a bacteriostatic finish.



### System features

- Monolithic bond with substrate
- Fire protection class Bfl-s1
- Abrasion-resistant, tough, suitable for castor wheel use
- Resistant to detergents and disinfectants
- Non-yellowing
- Suitable for underfloor heating
- Smooth or anti-slip
- Static crack-bridging properties
- Variable thickness
- Long service life (up to 50 years)

## **System benefits**

- Hygienic flooring with proven long-term bacteriostatic effect
- Excellent walking properties; relieves stress on joints
- Reliable use in rooms with complex shapes
- Easy cleaning of seamless surface for low maintenance expenses
- Low life-cycle costs

## Other applications

Outpatients' facilities, treatment rooms, common rooms in residential and nursing homes

- MasterTop 1325 for colorful floors with high walking comfort.
- MasterTop 1326 for comfort floors in creative colors and designs.
- MasterTop 1327 for floors with excellent walking comfort and sound-deadening properties, applied monolithically.

<sup>\*</sup> The appropriate flooring system must be selected on the basis of the particular requirements for the individual project.



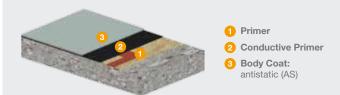
## **Intensive Care Units** and Restricted Areas

Machines have become an essential part of modern medicine. Especially in intensive care, they often play a life-saving role. In laboratories too, machines are indispensable for precise testing of samples. However, wherever electricity is used, there is always a risk of unintentional static charges and spontaneous discharge, with potential hazards for sensitive equipment, patients and personnel.

As an antistatic system, MasterTop 1328 AS provides protection against unintentional electrostatic charge and discharge. Like all liquid-applied MasterTop flooring systems, the surface is seamless, homogeneous and easy to clean, resulting in low maintenance expenses. The high mechanical strength of this flooring and its high resistance to chemical attack make for a long service life.

## System example MasterTop 1328 AS\*

For antistatic floors with high resistance to chemical attack and mechanical loads.



### **System features**

- Tough and abrasion resistant
- Highly chemical resistant
- Antistatic in accordance with EN 1081 and EN 61340
- Low emissions in accordance with AgBB
- Fire protection class Bfl-s1
- Static crack-bridging properties)

## **System benefits**

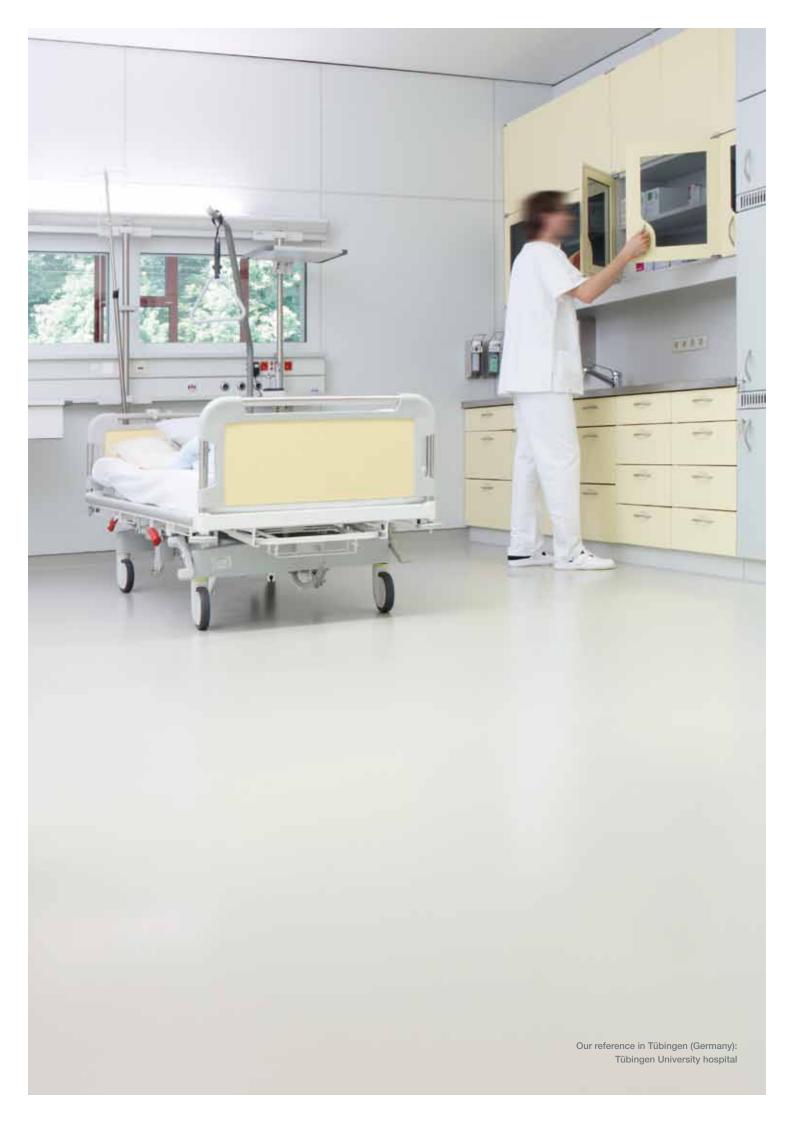
- Durably conductive
- Safe for use in explosion hazard areas
- Easy cleaning of seamless surface for low maintenance expenses

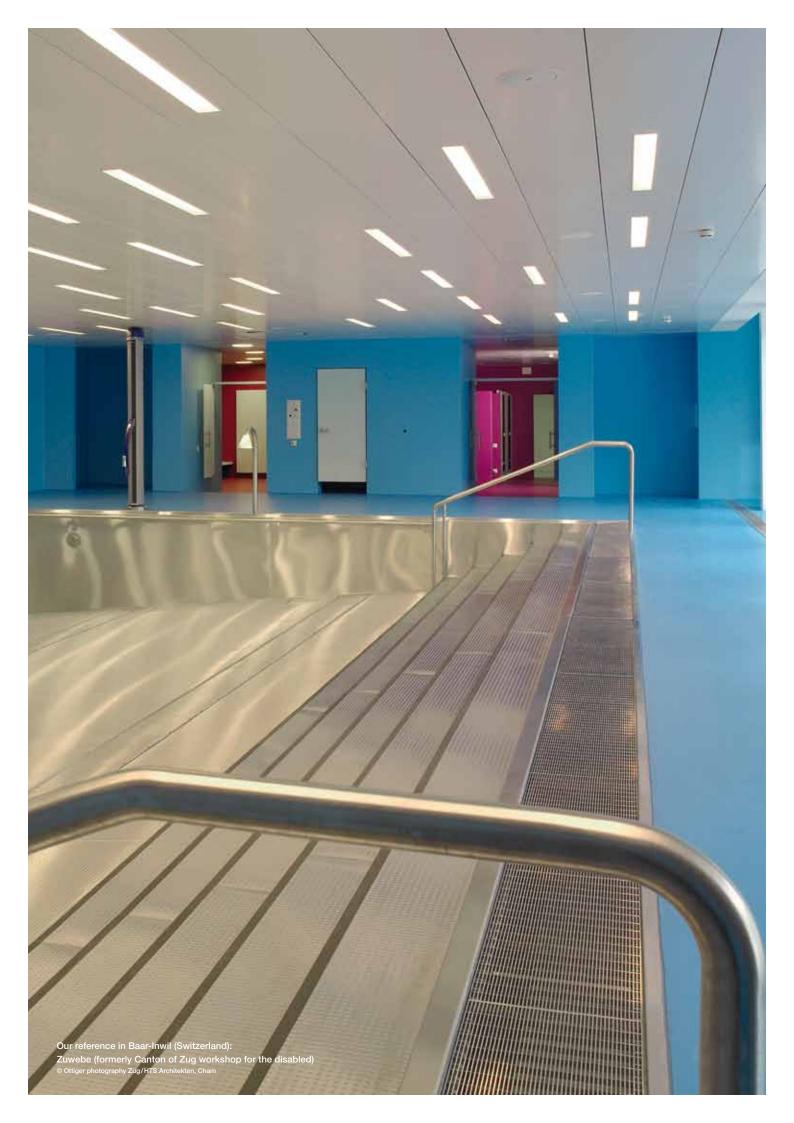
## Other applications

Technical rooms, computer and server rooms

- MasterTop 1273 AS for antistatic floors with high mechanical strength.
- MasterTop 1279 AS for antistatic floors with high resistance to chemical attack.

<sup>\*</sup>The appropriate flooring system must be selected on the basis of the particular requirements for the individual project.







## Sanitary Facilities and Rehab Areas

Sebastian Kneipp, a German priest, discovered and established the use of water in therapy, but whether used for Kneipp cures, therapeutic baths or personal hygiene, water on the floor can rapidly become a hazard. Hygienic anti-slip floors are therefore essential in sanitary facilities and wet rooms.

Our MasterTop 1325 R flooring system offers an excellent solution for these challenges. This low-stress floor provides high walking comfort and is especially pleasant in barefoot areas like showers and changing rooms. Thanks to its anti-slip properties, safety in wet areas is ensured and accidents prevented. As with all our MasterTop flooring systems, the surface is homogeneous and easy to clean, thus saving you time and money. In addition, polyurethane-based MasterTop flooring systems are extremely durable. These floor coverings meet high hygiene and safety requirements. An excellent basis for a feeling of well-being.

## System example MasterTop 1325 R\*

For slip-resistant colorful floors with high walking comfort.



### System features

- Anti-slip (R10, R11)
- Waterproof and crack-bridging
- Abrasion-resistant
- Low emissions in accordance with AgBB
- Fire protection class Bfl-s1
- Suitable for underfloor heating
- Variable thickness
- Long service life (up to 50 years)

### **System benefits**

- Excellent walking comfort in combination with anti-slip surface
- Reliable use in rooms with complex shapes
- Easy cleaning of seamless surface for low maintenance expenses
- Low life-cycle costs

## Other applications

Shower rooms and cabins, changing rooms, canteens

- MasterTop 1324 NB for tough anti-slip flooring in wet and barefoot areas.
- \* The appropriate flooring system must be selected on the basis of the particular requirements for the individual project.



# Physiotherapy Rooms and Gyms

"Mens sana in corpore sano" – a healthy mind in a healthy body. Even the Ancient Romans knew that physical and mental health cannot be separated. Modern physiotherapy uses this holistic approach for healing people. Therapy rooms need to be both attractive and functional to meet these requirements.

Everyone benefits from the MasterTop 1327 flooring system. MasterTop 1327 is the first polyurethane-resin-based flooring system with a flow-applied elastic layer to minimize footfall noise and impact sound. In the room itself, the flooring allows a high level of walking comfort and virtually eliminates footfall noise. MasterTop 1327 reduces vertical noise transmission to neighbouring rooms by 15–18 dB. That means that people will hear only half of the previous noise, allowing them to exercise and experience therapy in a relaxed atmosphere.

The surface is homogeneous and easy to clean, retaining its high quality in the long term. Special design requirements can also be met. Colors and designs can be individually selected to create whichever atmosphere you want, which may range from stimulating to calming, but always without any adverse effects.

## System example MasterTop 1327\*

For floors with excellent walking comfort and sound-deadening properties, applied monolithically.



### **System features**

- Low emissions in accordance with AgBB
- Fire protection class Bfl-s1
- Odourless
- Self-levelling
- Reduces transversal sound transmission by 15–18 dB
- Suitable for underfloor heating
- Smooth or anti-slip
- Non-yellowing
- Abrasion-resistant, suitable for use of castors
- Long service life (up to 50 years)

### **System benefits**

- Individual floor design and wide range of colors
- Environmentally friendly and sustainable
- Excellent walking properties; relieves stress on joints
- Energy absorbing; reduces the risk of injury in the event of falls
- Reliable use in rooms with complex shapes
- Easy cleaning of seamless surface for low maintenance expenses
- Low life-cycle costs

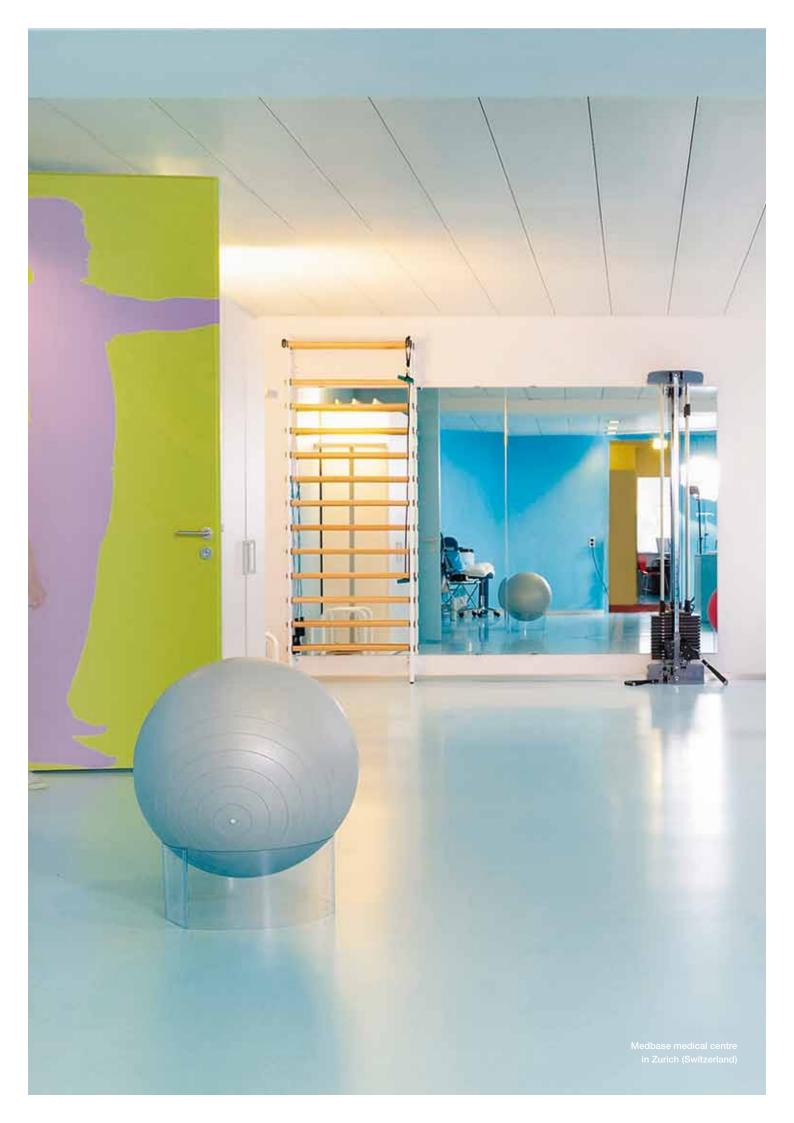
## Other applications

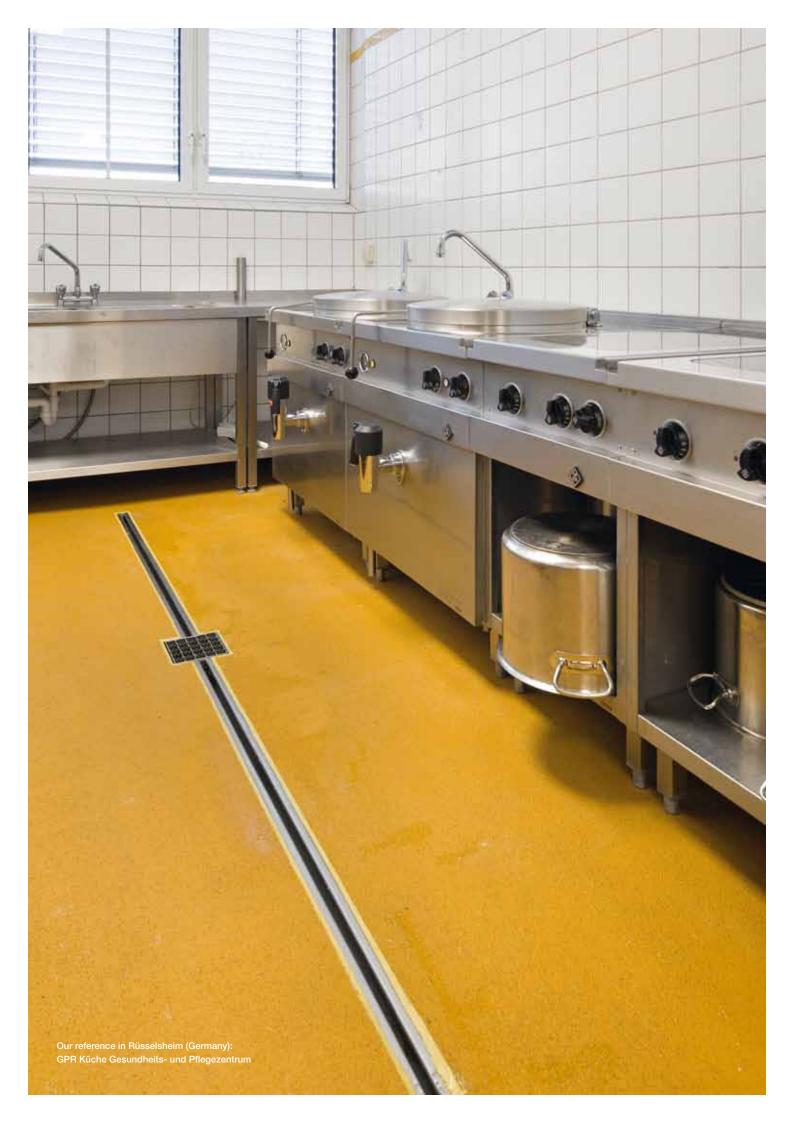
Rehabilitation and medical centres, fitness and wellness areas

## Other suitable systems

 MasterTop 1325 – for colorful floors with excellent sound-deadening properties.

<sup>\*</sup>The appropriate flooring system must be selected on the basis of the particular requirements for the individual project.







Special diets and nutrition programmes help some patients back to health very quickly. Kitchens therefore play a role, in some cases a major role, in recovery. As in any area where foodstuffs are processed, hygiene is the top priority, from the floor upwards. In addition, to protect the health of staff working in the kitchen even when conditions may be hectic, an anti-slip surface is very important in the case of spills.

Ucrete heavy duty polyurethane systems have a large number of advantages that make them the flooring of choice for industrial kitchens and food processing areas. These systems, with a minimum number of joints, reliably meet the stringent International Food Standard (IFS) hygiene requirements.

## Immune to heat and cold

Ucrete special floors are extremely durable under simultaneous exposure to severe mechanical, chemical and thermal stress. They are immune to temperatures from –40 °C to 120 °C and attack by cleaning detergents and food chemicals such as acetic or citric acid. In addition, they are as easy to clean as stainless steel, thus saving you time and money. Thanks to the impervious surface and rapid-drying properties of a Ucrete floor, bacteria and mould spores have no chance. These properties have been confirmed by scientific studies. A range of different surface textures provide anti-slip properties depending on individual requirements, ensuring a safe and efficient working environment.

## System example Ucrete DP\*

For floors with optimum slip resistance, where high temperature or chemical spillage is to be encountered.



### **System features**

- Polyurethane concrete
- High mechanical strength
- Resistant to hot water and thermal shock from -40°C to +120°C
- Highly chemical-resistant
- Anti-slip (R11, R12, R13)
- Fast-drying
- Non-solvented system
- Suitable for food preparation areas in accordance with IFS and LMHV
- Fire protection class Bfl-s1
- Variable thicknesses

## **System benefits**

- For simultaneous mechanical, chemical and thermal loads
- Proven long service life (20 years and more)
- Cleaning properties similar to stainless steel

## Other applications

Processing areas in the food industry, cold rooms

## Other suitable systems

 Ucrete UD 200 SR – for floors in heavy-use areas and where high temperatures or chemical spillage are to be encountered.

<sup>\*</sup> The appropriate flooring system must be selected on the basis of the particular requirements for the individual project.



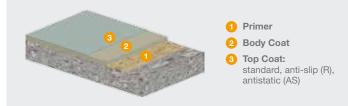
## **Service Corridors** and **Storage Areas**

They are the arteries of a hospital or a nursing home. Every day, heavy loads move through service corridors and storage areas, from patients' beds to trolleys and roller containers of various sizes. People who work here often have to cover long distances.

Thanks to its high mechanical strength, the MasterTop 1324 system guarantees long service life despite high traffic. Its anti-slip properties can be adjusted, ensuring a safe working environment and minimizing hazards. The self-levelling properties of the system and its homogeneous surface create a level floor covering without any obstacles or pitfalls. In brief, the MasterTop 1324 flooring system is a firm foundation for a smooth and safe operation.

## System example MasterTop 1324\*

For floors with especially high resistance to mechanical and chemical loads.



### **System features**

- Low emissions in accordance with AgBB
- Fire protection class Bfl-s1
- Tough and abrasion-resistant
- Smooth or anti-slip
- Odourless
- Highly chemical-resistant
- Static crack-bridging

### **System benefits**

- Reliable use in rooms with complex shapes
- Easy cleaning of seamless surface for low maintenance expenses
- Low life-cycle cost

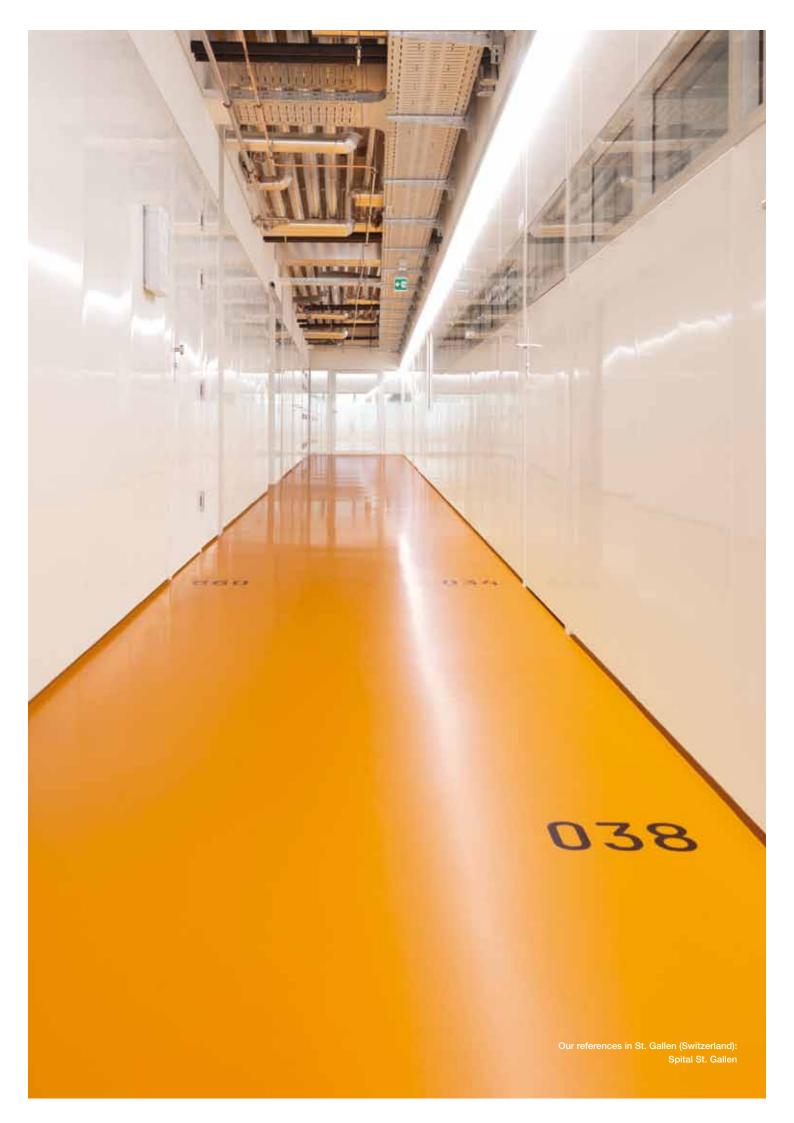
## Other applications

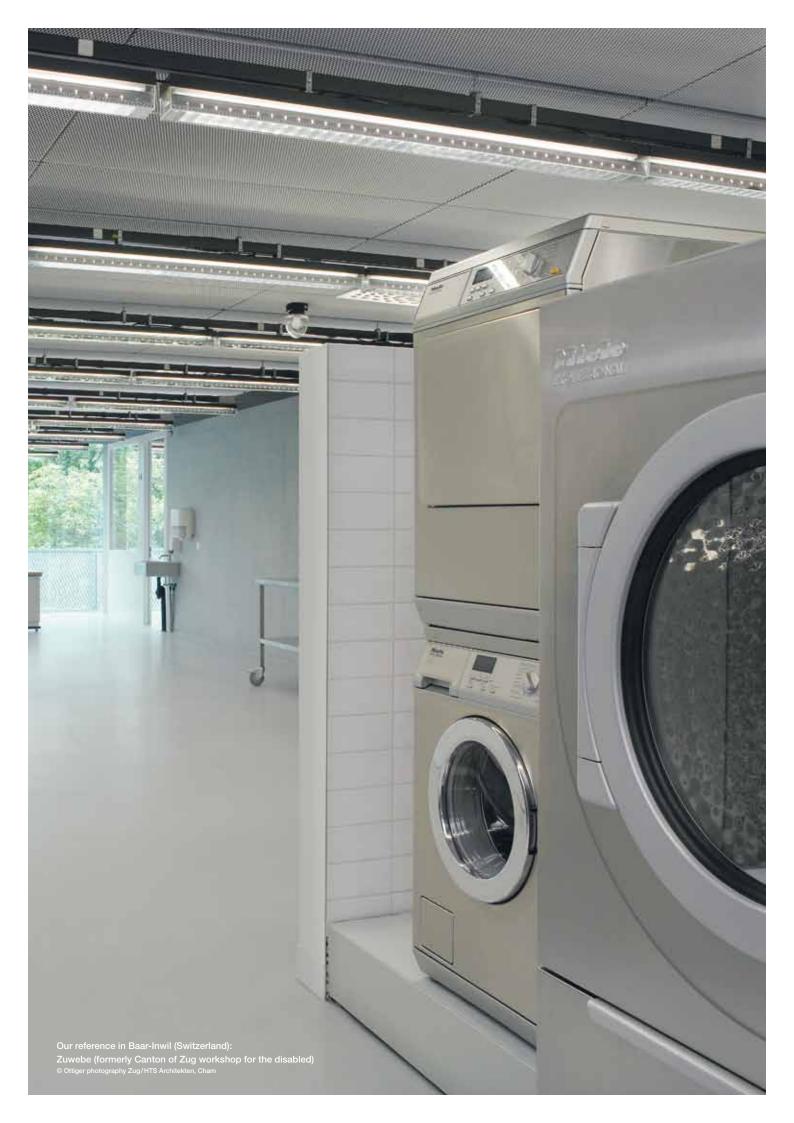
Sterilization rooms, laboratories

## Other suitable systems

 MasterTop 1273 – for smooth floors with high resistance to mechanical and chemical loads.

<sup>\*</sup> The appropriate flooring system must be selected on the basis of the particular requirements for the individual project.







## Laundries

Laundries in hospitals and homes have clean and dirty sides which must be kept strictly separated. Ancillary areas such as welfare rooms for personnel also need to be divided into two classes, and all these rooms need a first-class floor finish. In addition to the design challenge of separating these spaces, it is essential to ensure a safe and efficient working environment.

MasterTop 1324 NB is the ideal flooring system for all applications of this type. It features an easy-to-clean homogeneous surface, meeting stringent hygiene requirements. In addition, the floor withstands the mechanical loads caused by heavy roller containers. Often, several tonnes of clothing per day may be moved through a laundry like this. Dust resulting from the working process may also make floors slippery: this risk can be avoided with the anti-slip surface of a MasterTop 1324 NB floor. Finally, these floors are also decorative and visually appealing.

## System example MasterTop 1324 NB\*

For tough anti-slip flooring in wet areas.



### System features

- Mechanically resistant
- Low emissions in accordance with AgBB
- Fire protection class Bfl-s1
- Highly chemical-resistant
- Anti-slip (class A and B, R11)
- Odourless
- Long service life (up to 50 years)

## **System benefits**

- For hygienic surfaces and minimal risk of injury in wet areas
- Easy cleaning of seamless surface for low maintenance costs
- Low life-cycle costs

## Other applications

Cold food preparation areas, sanitary facilities, changing rooms and cabins

## Other suitable systems

 MasterTop 1325 R – for slip-resistant colorful floors with high walking comfort.

<sup>\*</sup>The appropriate flooring system must be selected on the basis of the particular requirements for the individual project.



## Master Builders Solutions from BASF: A Responsible Choice

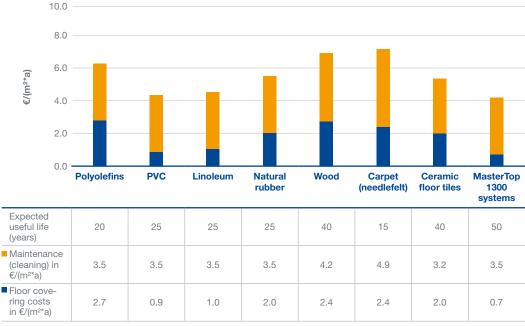
Prevention is better than cure: this is also the basis for sustainable and responsible use of resources. To make a well-founded assessment of the cost of a flooring system, not only the initial investment, but also maintenance costs, repairs and service life must be taken into account. This is the only way of effectively comparing different floor coverings.

In a life cycle analysis of this type, our flooring systems have repeatedly and convincingly demonstrated their cost-effectiveness. 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? Thanks to their homogeneous surface and monolithic bond to the substrate, our floor systems are very easy to clean and therefore cause very low maintenance expenses over the entire service life of the floor.

Apart from our economic responsibility, we also have an environmental responsibility as a manufacturer of interior flooring systems. Naturally, our flooring systems meet the requirements of AgBB (Committee for the Health Assessment of Construction Products) criteria. Health hazards caused by volatile organic compounds emitted from flooring are minimized. We ensure that our systems are sustainable from raw material production through manufacture and application to disposal. Independent analyses confirm that many of our products are non-solvented, have low emissions and feature a high proportion of renewable raw materials.

It is not only the tailor-made functional profiles of our products that are convincing, but also their economic and environmental aspects. You will make a responsible choice when choosing our systems.

## Durability and cost efficiency at a glance



Source: BMG Engeneering AG





## Master Builders Solutions from BASF 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

## 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 water tight concrete

#### 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

#### **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

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