



Public Buildings

Commercial Flooring Solutions



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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



Master Builders Solutions: A Strong Partner in Performance Flooring

Making a good first impression. When it comes to flooring, our systems give you the right foundation for your project: we offer tailor-made solutions that meet your functional requirements and give you full creative freedom.

Popular wisdom says that first impressions count. In public areas in particular, this saying can rapidly become a decisive factor, for example in hotels, shops and commercial establishments, offices and administrative buildings. A welcoming and smart floor creates this sought-after positive impression, day in day out, however many people walk over it.

With Master Builders Solutions, you have a strong partner for your project. We can look back on more than one hundred years of

experience in construction chemicals. Thanks to this experience and continuous investment in research and development, we are in a position to offer optimum and sustainable products for your needs. As a specialist in seamless flooring systems, we provide 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 Zurich (Switzerland):
ETH Sports Center



Our reference in Affalterbach (Germany):
Mercedes-AMG



Our reference in Utrecht (Netherlands):
Private residence



Seamless and Versatile: MasterTop Flooring Systems

In hotels, restaurants, commercial establishments and shops, the customer is the top priority. A well-designed interior is essential because a pleasant, inviting atmosphere is your key to success. An attractive environment also helps create a positive and productive working atmosphere in offices and administrative buildings. MasterTop flooring systems lay the ideal foundations for your project, combining an attractive appearance with functionality and economy.

A wide variety of colors allows you to turn your desired ambience into reality, in line with an owner's corporate identity or following special wishes as regards patterns and logos. Even extravagant solutions such as the use of glass beads are feasible, and give a floor an extraordinary appearance. Our flooring systems

are not only attractive but also meet a variety of your functional requirements including impact sound absorption, reduced footfall noise and high walking comfort. High durability and cleanliness requirements pose special challenges for public areas. MasterTop flooring systems withstand daily access by the general public and remain attractive in the long term. Their surface is homogeneous and seamless apart from expansion joints. Being easy to clean and to maintain, they save you time and money.

Many of the advantages of MasterTop flooring systems arise from their application in liquid form. The multi-layer configuration guarantees high versatility and short installation periods for you: complete overhaul is possible over weekends and holidays.

1 Primer

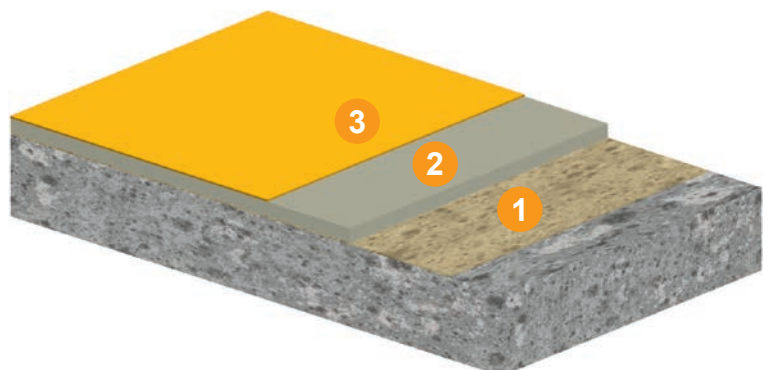
Establishes a monolithic bond to the substrate.

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.





MasterTop: Flooring Systems for Public Buildings

The requirements placed on a flooring system are strongly dependent on how you want to use the building – whether as an office or administration building, a hotel, restaurant, shop or entertainment centre. Seamless flooring systems from Master Builders Solutions are applied in liquid form and can be adapted to the individual requirements of your specific project. The floors produced fit as well as a bespoke suit but last much, much longer.

We at Master Builders Solutions offer a comprehensive service for your support – be it as designers, architects and application contractors, 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 possibilities that are available. This way you can always be sure that you choose the right floor for your refurbishment, modernization or new building project.

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



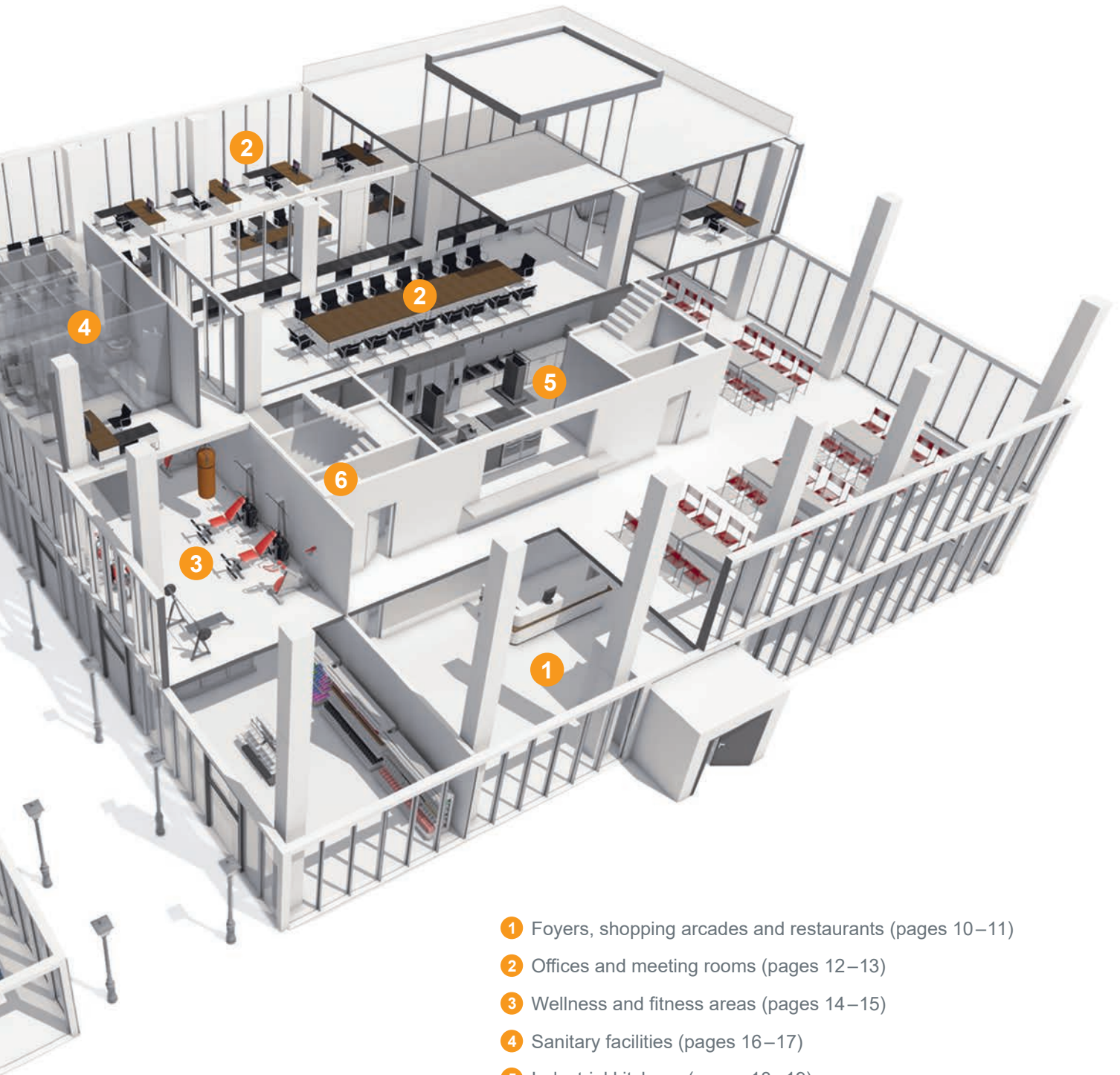
The benefits at a glance

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-solvent systems
- Use of renewable raw materials



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- 2 Offices and meeting rooms (pages 12–13)
- 3 Wellness and fitness areas (pages 14–15)
- 4 Sanitary facilities (pages 16–17)
- 5 Industrial kitchens (pages 18–19)
- 6 Basements and technical rooms (pages 20–21)

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
- Low maintenance expenses thanks to easy cleaning of seamless surfaces
- Low life-cycle costs



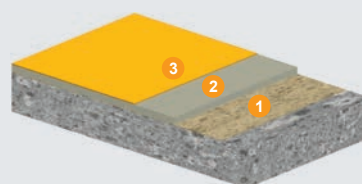
Foyers, Shopping Arcades and Restaurants

An open house rather than a private party – foyers and passages welcome visitors and guide them through the building to their destination. They also have another function. Despite or even because of the large number of visitors who pass through them, foyers and corridors are your visiting cards. In bars and restaurants, a pleasant and inviting atmosphere is also essential.

With considerable scope for creativity thanks to the large number of colors available, MasterTop 1326 floor coverings are key elements in high-grade interior designs meeting your highest technical and comfort requirements. Areas where many people walk are also looked at closely by many people. Well-designed interiors address all the senses: our MasterTop polyurethane floor systems ensure high walking comfort and a quiet environment, as footfall noise is minimized. Thanks to the durability of the flooring, these positive properties are maintained over its entire service life – even with large visitor numbers.

System example MasterTop 1326*

For comfort floors in creative colors and designs.



- 1 Primer
- 2 Body Coat
- 3 Top Coat: standard, anti-slip (R)

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

Reception areas, malls, cafeterias, sales rooms and showrooms, offices, corridors

Other suitable systems

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

* The appropriate flooring system must be selected on the basis of the particular requirements for the individual project.



Our reference in Darmstadt (Germany): Telekom AG
Design and installation: Jeanet Hoenig



Our reference in Rotterdam (Netherlands):
Office House



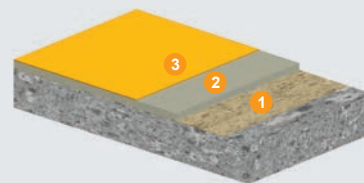
Office and Administration Buildings

Modern office and administration buildings support advanced corporate structures and work processes. Soft factors such as a stimulating work environment and corporate interior design are becoming increasingly important. They heighten identification with the company, improve motivation, concentration and, ultimately, productivity. In this context, the floor covering lays the foundations for business success.

MasterTop 1325 forms part of a holistic workplace design, enhancing concentration and productivity. The homogeneous surface of MasterTop floor finishes makes it quick and easy for you to clean. There are no joints, eliminating the weak points these represent, and the floor retains its properties over its entire service life. The floor finish ensures a high level of user comfort. Our elastic polyurethane-based flooring system significantly reduces footfall noise and provides high walking comfort. The wide range of colors available gives you considerable design freedom and leaves nothing to be desired.

System example MasterTop 1325*

For comfort floors in creative colors and designs.



- 1 Primer
- 2 Body Coat
- 3 Top Coat:
standard, anti-slip (R)
or antibacterial (AB)
versions

System features

- Low emissions in accordance with AgBB
- Fire protection class Bfl-s1
- Odourless
- Suitable for underfloor heating
- Smooth or anti-slip
- Non-yellowing
- Variable thickness
- Abrasion-resistant, suitable for castor wheel use
- Long service life (up to 50 years)

System benefits

- 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

Exhibition areas and showrooms, corridors, entrance halls, canteens

Other suitable systems

- **MasterTop 1324** – for floors with especially high resistance to mechanical and chemical loads.
- **MasterTop 1326** – for comfort floors in creative colors and designs.
- **MasterTop 1327** – for floors with excellent walking comfort and sound-deadening properties, applied monolithically.

* The appropriate flooring system must be selected on the basis of the particular requirements for the individual project.



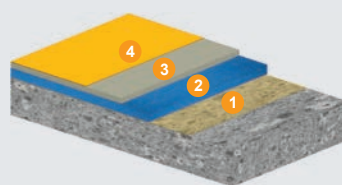
Wellness and Fitness Areas

Fitness and wellness areas are primarily used for releasing excess energy, but training and relaxation are also a source of positive energy. In designing the buildings and rooms concerned, it is important to find the right balance of functionality and aesthetics. The requirements in both areas are demanding. On the one hand, the floor needs to provide a firm foundation for safe, quiet and therefore relaxing use. On the other hand, the color and design can be deliberately selected to create the atmosphere required, which may range from stimulating to calming.

The MasterTop 1327 flooring system meets all your requirements without any problems. It is the only polyurethane resin-based flooring system with a flow-applied elastic layer to minimize footfall noise and impact sound. In the room itself, the flooring provides a high degree of walking comfort and virtually eliminates footfall noise. MasterTop 1327 reduces vertical noise transmission to neighbouring rooms by 15–18 dB, reducing the noise you hear by half. Like all MasterTop flooring systems, the surface is homogeneous and easy to clean, retaining its high quality in the long term. Any special design requirements you may have can also easily be met. Thanks to the variety of colors and design possibilities, you can design exactly the floor you want, creating an atmosphere of well-being, making it easy to keep (or regain) your balance.

System example MasterTop 1327*

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



- 1 Primer
- 2 Elastic Layer for impact sound reduction
- 3 Body Coat
- 4 Top Coat: standard or antibacterial (AB) versions

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

Seminar rooms

Other suitable systems

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

*The appropriate flooring system must be selected on the basis of the particular requirements for the individual project.



Our reference in Zurich (Switzerland):
ETH Sports Center



Our reference in Wilchingen (Switzerland):
House Pereira



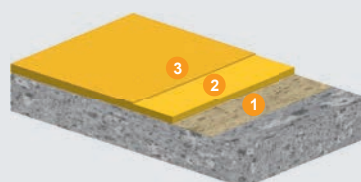
Sanitary Installations

Reliable cleanliness is crucial for public sanitary installations in more than one respect. You need a floor covering choice based on hygiene and ease of cleaning. Just as important are its slip resistant properties, especially in wet areas, and a long service life. Only if these requirements are met will you be able to use an installation without any reservations.

The MasterTop 1325 R flooring system offers an excellent solution for these requirements. This low-stress floor ensures high walking comfort and is especially pleasant in barefoot areas such as showers and changing rooms. Its slip-resistant properties ensure safety in wet areas and prevent accidents. As with all our MasterTop flooring systems, the surface is homogeneous and easy to clean. In addition, polyurethane-based MasterTop flooring systems are extremely durable. These floors meet high hygiene and safety requirements, and provide an excellent basis for a feeling of well-being.

System example MasterTop 1325 R*

For slip-resistant colorful floors with high walking comfort.



- 1 Primer
- 2 Body Coat
- 3 Top Coat: anti-slip (R)

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

Other suitable systems

- **MasterTop 1324 N&B** – 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.



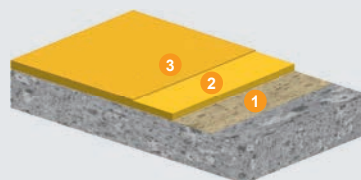
Industrial Kitchens

Often a touch of secrecy gives a recipe the perfect flavour: the unknown ingredient, the well-kept family secret. But when it comes to hygiene and safety in food preparation areas, extreme transparency is the order of the day. Anything else would quickly ruin your appetite.

Ucrete heavy-duty polyurethane-based systems have a large number of advantages which make them your flooring of choice for industrial kitchens and food processing areas. These seamless systems reliably meet the stringent International Food Standard (IFS) hygiene requirements. Ucrete floors are extremely durable even under simultaneous exposure to severe mechanical, chemical and thermal stress. They can withstand temperatures from -40°C to 120°C and attack by cleaning detergents and food chemicals including acetic or citric acid. In addition, they are as easy to clean as stainless steel. 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 surface textures give the anti-slip properties you require for 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.



- 1 Primer
- 2 Body Coat
- 3 Top Coat: anti-slip

System features

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

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

Food processing areas, cold rooms

Other suitable systems

- **Ucrete UD200SR** – for maximum temperature resistance
- **Ucrete HPQ** – for colored quartz floors with high chemical resistance.

*The appropriate flooring system must be selected on the basis of the particular requirements for the individual project.



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



Our reference in Baar-Inwil (Switzerland):
Zuwebe (formerly Canton of Zug workshop for the disabled)
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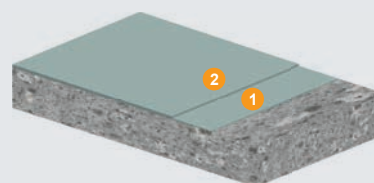
Basements and Technical Rooms

The requirements for floor coverings in technical rooms and basements are mainly functional. As with any construction element in contact with the ground, there is a risk of exposure to external moisture. Our flooring systems allow vapour diffusion, thus making them the right solution as they allow any moisture to evaporate from the substrate without damaging the floor coating, preventing the blisters commonly associated with rising moisture.

MasterTop 1785 is a water-based epoxy resin coating that is permeable to water vapour. Another positive feature is the easy application of the thin layer coating, which ensures fast construction progress even where large areas need to be coated. MasterTop 1785 can also be used as a wall coating.

System example MasterTop 1785*

Epoxy resin coating for light duty floors with vapour diffusion properties.



- 1 Primer
- 2 Coating
standard or
anti-slip (R) versions

System features

- Abrasion-resistant
- Water vapour permeable
- Fire protection class Bfl-s1
- Virtually odourless

System benefits

- A reliable solution for surfaces in contact with the ground
- Versatile use as coating for walls and floors

Other applications

Storage areas

Other suitable systems

- **MasterTop 1730** – for tough floors with water vapour diffusion properties.
- **MasterTop 1273** – for smooth floors with high resistance to mechanical and chemical loads.

* The appropriate flooring system must be selected on the basis of the particular requirements for the individual project.



Master Builders Solutions: A Responsible Choice

“Time is money” – when Benjamin Franklin coined this proverb, he was thinking mainly of speed, but specialists who adopt a holistic approach know that “service life is money”. 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 types of floor coverings.

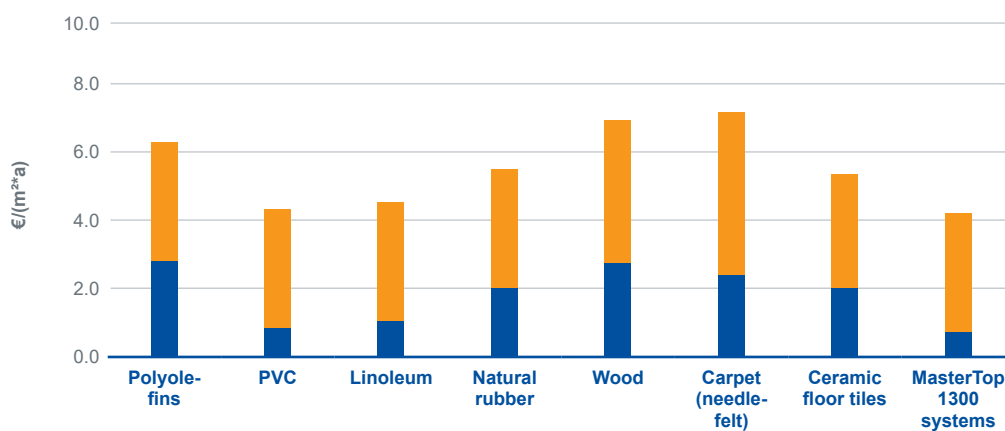
In a life cycle analysis of this type, our flooring systems have repeatedly and convincingly demonstrated their cost-effectiveness. Did you know that 80 per cent of the total cost of a floor covering is caused not by installation, but by cleaning and maintenance? Thanks to their homogeneous surface and monolithic bond to the substrate, our floor systems are very easy to clean and therefore save you significant maintenance costs 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 the 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-solvent, have low emissions and feature a high proportion of renewable raw materials.

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

Durability and cost efficiency at a glance



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



Our reference in London (England):
Museum of London



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

MasterPozzololith

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 SOLUTION

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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