MASTER® BUILDERS SOLUTIONS

MasterCoat® ULTRA

Build your success on solid ground



MasterCoat® ULTRA by Master Builders Solutions®

Coming from a rich heritage of innovation

Starting the venture and becoming a leading construction chemicals supplier

Strategic realignment and building a unified global identity

Becoming a standalone construction chemicals company

1909 - 2006

Founding of Master Builders Inc.

Acquisition by Sandoz

Acquisition by SKW

Merger of Degussa-Hüls and SKW Trostberg

Acquisition by BASF

2010 - 2013

Repositioning and reshaping

Launch of MasterBuilders Solutions brand

2020 - 2021

Carve-out from BASF

MBCC group becomes standalone leader in construction chemicals and admixtures

Direct sales in ~ 150 countries

Acquisition of 4 bolt-ons

Main historical innovations

	2001 - 2009	2010 - 2026	
Robustness	Glenium SKY	**MasterLife®** Solutions for enhanced durability	**MasterSuna®** Clay blocking polymer for difficult sands
Rheology/Workability	RheoFIT, RheoMATRIX	**MasterEase®** Admixture for low-viscosity engineering concrete	
Acceleration	zero energy system, X-SEED		
High performance			

A leading standalone construction chemicals company

2023

Master Builders Solutions becomes a Cinven Portfolio Company and a standalone leader in admixtures

CINVEN

2024

Acquisition of Adril Traders S.L.

Launch of MB Trading & MBT CC

Joint venture with MBT Tech

adril traders S.L.

MB TRADING

MBT CONSTRUCTION CHEMICALS

MBT TECH

2025

Launch of Construction Systems

Acquisition of Rapidmix Group

Acquisition of Brexton Dominicana, S.A.S.

rapidmix

brexton construction products

2026

Acquisition of Arkaz Al Sharq Building Materials

ARKAZ أركاز

MasterSphere®
Superabsorbent polymers for reliable freeze-thaw resistance

MasterCO$_2$re™
reduces the complexity of low-clinker concrete mixes

MasterFlux®
Specialized grouts for the wind industry

MasterCoat®
High performance polymer flooring

MasterCoat® ULTRA

The Ultimate Industrial Flooring Solution

MasterCoat ULTRA is a range of high-performance polyurethane concrete flooring systems developed for the most demanding environments. In addition to its widespread use in the food and beverage industry, it is designed to deliver optimum performance across a wide range of sectors where high chemical and mechanical resistance, together with hygienic and easy-to-clean surfaces, are required.



Food & Beverage

Hygienic, safe and built for production.



Chemical Industry

Resistant to aggressive chemicals and harsh operating conditions.



Pharma & Healthcare

Clean, controlled environments for critical operations.



ATEX & ESD protection

Safe, static-controlled solutions for hazardous and sensitive areas.



Warehouses & Logistics

Durable, efficient floors for heavy traffic and demanding operations.



MasterCoat® ULTRA provides long-term performance in environments subjected to extreme thermal shock and thermal cycling – withstanding temperatures from –45°C to +125°C, depending on the system specification. It is also available in anti-static versions for industries where explosion protection or the control of static discharges are required. By combining rapid installation windows with proven durability, it offers building owners a safe, hygienic and cost-effective solution for any industrial application.

MasterCoat® ULTRA

Key Benefits at a Glance

MasterCoat ULTRA is a range of polyurethane concrete flooring materials.

The range is suitable for installation and use in food and beverage production, processing and packaging facilities, as well as in environments subject to thermal shock, cycling and varying degrees of chemical exposure, where it offers a wide range of performance benefits for end users and building owners compared with other flooring materials.



Why choose **MasterCoat® ULTRA?**

- Free from phthalates and any other LBC Red List Chemicals
- Conductive and dissipative systems for EPA environments
- Independently verified food-safe contact surfaces (HACCP International)
- Moisture-proof packaging
- Bfl-s1 fire classification for limited flame spread and low smoke production
- System-based components for optimal inventory control
- Engineered to withstand extreme thermal shocks and cycling
- 12 months shelf life for all components
- Excellent resistance to a wide range of harsh chemicals
- Satin-finish topcoat for improved cleanability in anti-slip systems
- Different systems with applications ranging from 2 mm to 12 mm
- Vibrant pigment packs in easy-to-mix sachets
- Suitable for steam cleaning, depending on the system specification

High performance polyurethane concrete flooring solutions, engineered for every environment.



MasterCoat ULTRA SL
smooth, low thickness system

Low thickness, smooth finish system for general industrial and lightly trafficked areas.

- 2–3 mm thickness
- Smooth finish
- Fast curing
- Easy to clean
- Ideal for refurbishment or overlay

TEXTURE	THICKNESS
Smooth	2 – 3 mm

TYPICAL INDUSTRIES
- Warehouses & Logistics
- Distribution Centres
- General Manufacturing
- Retail & Commercial



MasterCoat ULTRA MF
smooth system

Medium duty, smooth finish system for a wide range of industrial environments.

- 3–6 mm thickness
- Smooth finish
- Good chemical resistance
- Hygienic and easy to clean
- Reliable performance in wet and dry areas

TEXTURE	THICKNESS
Smooth	3 – 6 mm

TYPICAL INDUSTRIES
- Pharmaceutical
- Healthcare & Labs
- Food Processing (dry areas)
- Manufacturing



MasterCoat ULTRA MF AS
anti-static system

Anti-static, smooth finish system for areas requiring electrostatic control.

- 3–4 mm thickness
- Smooth finish
- Electrostatic dissipative
- Suitable for ESD areas
- Safe for electronics and sensitive environments

TEXTURE	THICKNESS
Smooth	3 – 4 mm

TYPICAL INDUSTRIES
- ATEX / ESD Areas
- Electronics & Semiconductor
- Data Centres
- Aerospace & Defence



MasterCoat ULTRA DP

heavy duty, slip resistant system

Heavy duty, textured system with superior chemical and thermal resistance.

- 4–9 mm thickness
- Textured, slip resistant surface
- Excellent chemical and thermal resistance
- High impact and abrasion resistance
- Long term performance in demanding conditions

TEXTURE	THICKNESS
Textured	4 – 9 mm

TYPICAL INDUSTRIES

- Food & Beverage Processing
- Breweries & Distilleries
- Dairies
- Commercial Kitchens



MasterCoat ULTRA RT

rapid turnaround, textured system

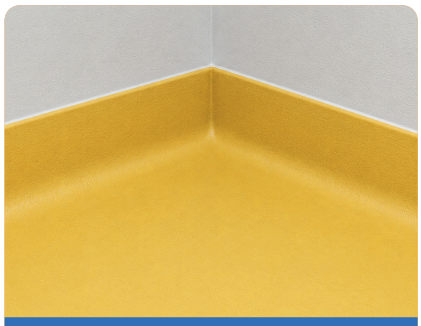
Rapid curing, textured system designed for fast track projects and high chemical exposure.

- 6–12 mm thickness
- Textured, slip resistant surface
- Fast curing
- Moisture tolerant
- Ideal for shutdowns and rapid projects

TEXTURE	THICKNESS
Textured	6 – 12 mm

TYPICAL INDUSTRIES

- Chemical Processing
- Petrochemical
- Pulp & Paper
- Water & Wastewater



MasterCoat ULTRA COVE

coved skirting system

Hygienic coved skirting system for seamless transition from floor to wall.

- Coved finish
- Seamless transition floor to wall
- Easy to clean and hygienic
- High chemical resistance
- Compatible with all MasterCoat systems

TEXTURE	THICKNESS
Smooth	4 – 9 mm

TYPICAL INDUSTRIES

- Food & Beverage
- Pharmaceutical
- Healthcare
- Laboratories



Not only new floors, but also refurbishment

MasterCoat® ULTRA BCR

Renew your flooring. Maintain its performance.
Like new, in the shortest possible time.

MasterCoat ULTRA BCR - **B**ase **C**oat **R**efurbishment - is a low-build surface renewal system designed to restore the appearance, texture and original performance of existing **MasterCoat ULTRA** flooring systems.



WHERE AND WHY IS IT USED?

MasterCoat® ULTRA BCR provides a fast and cost-effective solution for refurbishing existing MasterCoat ULTRA flooring, restoring or modifying its original appearance and slip-resistant texture while maintaining MasterCoat ULTRA performance, without the need to replace the entire floor.

- Enhances appearance
- Increases resistance to wear and abrasion
- Extends the service life of the floor
- Minimizes disruption to operations

WHY CHOOSE MasterCoat ULTRA BCR?

Fast and efficient
Fast application and rapid return to service.

Maintains performance
Restores the mechanical and thermal resistance of the original flooring system.

Cost-effective solution
Low material consumption and reduced overall cost compared to full replacement.

Sustainable
Reduced waste generation and lower environmental impact.

Like-new finish
Improves appearance, cleanliness and safety of the flooring.

SYSTEM COMPOSITION

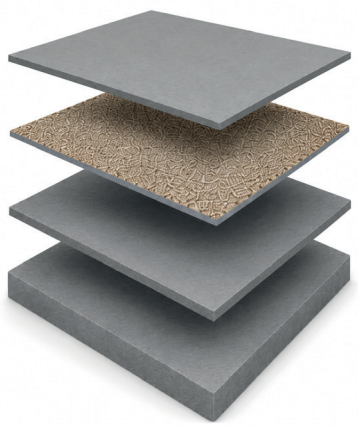
1. EXISTING FLOORING
Existing MasterCoat ULTRA flooring

Mechanical preparation:
shot blasting, diamond grinding, etc.
(Anchor points only at joints and drains, if necessary)

2. REINFORCEMENT LAYER
MasterCoat ULTRA BCR
(2,5 kg/m²)

3. SILICA SAND BROADCAST
Silica Sand
(4 – 5 kg/m² approx.)

4. TOPCOAT
MasterCoat ULTRA DP Topcoat
(0,6 – 0,8 kg/m²)



FAST RENEWAL.
PERFORMANCE LIKE DAY ONE.

Hygiene and Food Safety

The LBC Red List ensuring our spaces free from harmful materials.

For almost two decades, the International Living Future Institute has been developing the Living Building Challenge (LBC) Red List.

The goal is to ensure the buildings that we work, live and socialise in are safe and free from materials that would be harmful to us and the world around us.

One of the fundamental directives of the LBC is that a truly restorative culture errs on the side of caution and that we simply must remove the following materials from the built environment.

MasterCoat® ULTRA – Free from harmful materials

Common Red List materials for flooring products are antimicrobials (marked with health claims), phthalates such as orthophthalates and volatile organic compounds (VOCs). **MasterCoat® ULTRA** is free from any of those materials.

HACCP food safety management

Hazard Analysis and Critical Control Points (HACCP) is the most internationally recognised food safety management system.

It is a preventive risk assessment tool that takes a careful look at food safety hazards and provides guidelines to guarantee that the facility, its equipment, staff and working processes never constitute a health or hygiene hazard.

All the different MasterCoat ULTRA systems are HACCP International certified, bringing peace of mind to all users that the high-performance polyurethane concrete systems installed in their facilities meet stringent food safety criteria.

HACCP INTERNATIONAL FOOD SAFETY PROGRAMME CERTIFICATION









MasterCoat® ULTRA Chemical Resistance

Built for demanding industrial environments.

MasterCoat ULTRA polyurethane concrete systems are engineered to withstand the chemical exposure conditions typically found in industrial and hygienic environments.

FOOD & BEVERAGE INDUSTRY



RESISTANT TO:

- Organic acids (e.g. lactic, acetic, citric)
- Sugars and food ingredients
- Fats, oils and animal/vegetable by-products
- Aggressive cleaning and disinfecting agents
- Hot water and steam washdown procedures

BUILT FOR FOOD PROCESSING ENVIRONMENTS.

CHEMICAL INDUSTRY



DESIGNED TO RESIST:

- Acids (inorganic & organic)
- Alkalis and caustic solutions
- Solvents and aromatic hydrocarbons
- Fuels, lubricants and oils
- Industrial and process chemicals

ENGINEERED FOR SEVERE CHEMICAL EXPOSURE.

PHARMACEUTICAL INDUSTRY



SUITABLE FOR ENVIRONMENTS REQUIRING:

- Hygienic, seamless and easy-to-clean surfaces
- Resistance to cleaning and disinfecting agents
- Chemical durability for production processes
- Minimal contamination risk
- Easy decontamination and maintenance

HYGIENIC PERFORMANCE FOR CONTROLLED ENVIRONMENTS.

LOGISTICS & INDUSTRIAL



EXCELLENT RESISTANCE TO:

- Oils, greases and mineral lubricants
- Cleaning products and detergents
- Heavy traffic and mechanical wear
- Impact and abrasion
- Industrial operational conditions

DURABILITY FOR DAILY INDUSTRIAL OPERATION.

IMPORTANT NOTE

Chemical resistance performance depends on the chemical type, concentration, temperature, exposure time and housekeeping conditions. This information is intended as a general guide.

Please contact Master Builders Solutions for project-specific recommendations.

SEAMLESS SOLUTIONS

PROVEN PERFORMANCE

BUILT TO LAST

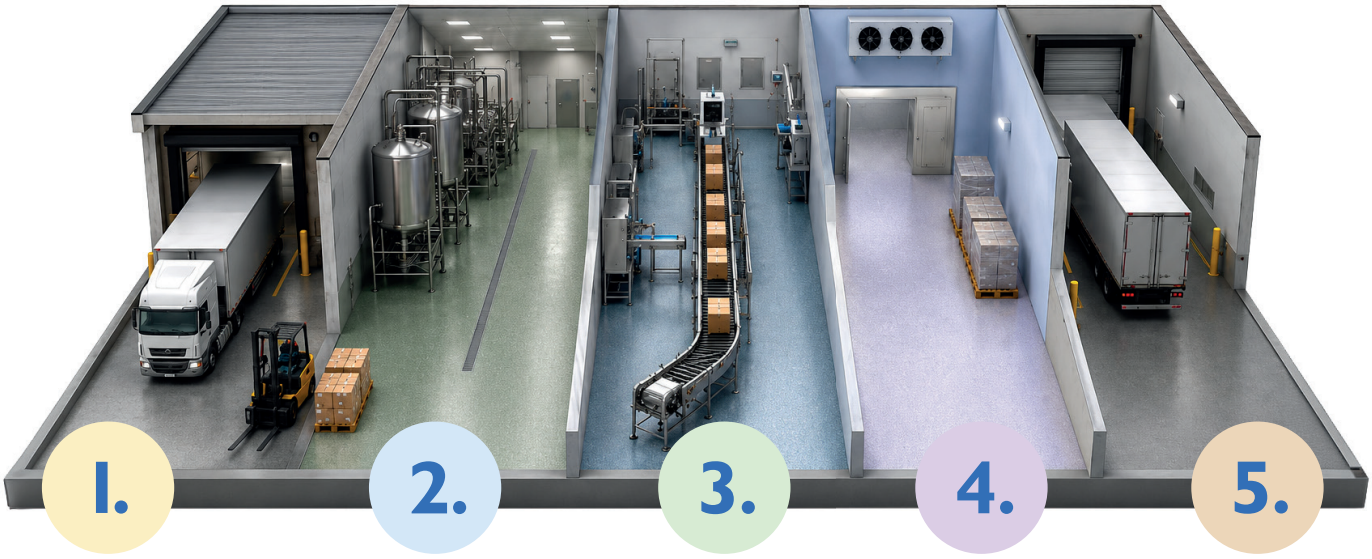
SUSTAINABLE BY DESIGN

Quick Guide – System Selection

1. RECEIVING/COVERED DOCK:
DRY **MasterCoat ULTRA MF**

2. PROCESSING AREA:
WET **MasterCoat ULTRA DP**
WET **MasterCoat ULTRA RT**
DRY **MasterCoat ULTRA MF**
ATEX/ESD Areas: **MasterCoat ULTRA MF AS**

3. PACKAGING AREA:
DRY **MasterCoat ULTRA MF**
WET **MasterCoat ULTRA DP**



4. FREEZING/COLD STORAGE AREA:
MasterCoat ULTRA DP
MasterCoat ULTRA RT

5. SHIPPING AREA:
DRY **MasterCoat ULTRA MF**
WET **MasterCoat ULTRA DP**
WET **MasterCoat ULTRA RT**



MasterCoat® ULTRA PU Concrete Systems

Technical performance & selection guide

High-performance polyurethane concrete flooring systems engineered for hygiene, durability and demanding environments.

SYSTEM COMPARISON & SELECTION

SYSTEM	THICKNESS*	TYPICAL SERVICE ENVIRONMENT	SERVICE TEMP RANGE
MasterCoat **ULTRA SL**	2.0 – 3.0 mm	Dry process areas, laboratories, light food prep	+5°C +65°C
MasterCoat **ULTRA MF**	3.0 – 6.0 mm	Medium to heavy-duty food production, dry/wet areas, dairies, beverage processing	-25°C +100°C
MasterCoat **ULTRA MF AS**	3.0 – 4.0 mm	Electronics, pharma, explosive-risk dry process areas, conductive hygienic environments	-15°C +70°C
MasterCoat **ULTRA DP**	4.0 – 9.0 mm	Medium to heavy-duty processing, wet processing, breweries, washdown zones	-40°C +120°C
MasterCoat **ULTRA RT**	6.0 – 12.0 mm	Aggressive washdown, steam-clean, cook lines, abattoirs, severe thermal shock environments	-45°C +125°C

*Thickness depends on the mechanical, chemical and thermal requirements



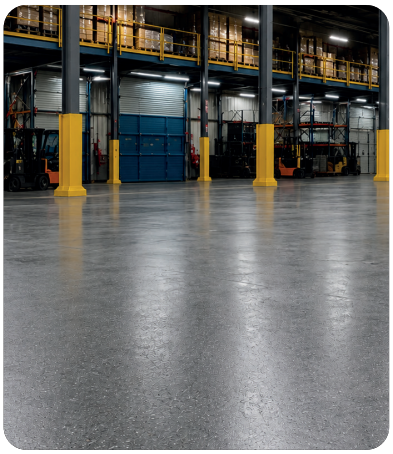
LABORATORIES



FOOD & BEVERAGE



WET PROCESSING



HEAVY DUTY AREAS

	THERMAL SHOCK CAPABILITY	SLIP RESISTANCE (INDICATIVE**)	PRIMER / SCRATCH COAT
	Limited	Smooth (approx. R10)	Scratch coat recommended
	Moderate to Very High	Smooth (approx. R10)	Scratch coat recommended
	Moderate to High	Smooth conductive (approx. R10)	Scratch coat recommended
	High to Very High	Defined Profile / Slip Resistant (approx. R11–R13)	Optional
	Very High to Extreme	Heavy Textured / Trowelled (approx. R11–R12)	Optional

** Indicative slip resistance classifications only. Final slip resistance performance will depend on aggregate selection, broadcast density, topcoat application, and the installed surface profile.



Application methodology

SELF-SMOOTHING
Used for smooth finishes in dry and low-slip requirement areas.

BROADCAST DEFINED-PROFILE
Provides slip resistance (R11–R13) via sand or aggregate broadcast.

HEAVY-DUTY TROWEL APPLIED
High-build, textured finishes for extreme thermal shock and aggressive environments.

MasterCoat® ULTRA Systems
Consumption Guide

SYSTEM	PRIMER / SCRATCH COAT	BODYCOAT
MasterCoat **ULTRA SL**	MasterCoat ULTRA SL (unpigmented): 1.8 kg/m²	MasterCoat ULTRA SL 2 mm: 1.8 kg/m² | 3 mm: 3.6 kg/m²
MasterCoat **ULTRA MF**	MasterCoat ULTRA MF (unpigmented): 1.9 kg/m²	MasterCoat ULTRA MF 3 mm: 3.8 kg/m² | 4 mm: 5.7 kg/m² 6 mm: 9.5 kg/m²
MasterCoat **ULTRA MF AS**	MasterCoat ULTRA MF (unpigmented): 1.9 kg/m² + Copper tape + Conductive Primer	MasterCoat ULTRA MF AS 3 mm: 3.8 kg/m² | 4 mm: 5.7 kg/m²
MasterCoat **ULTRA DP**	MasterCoat ULTRA Primer 0.5 kg/m² (Optional)	MasterCoat ULTRA MF (as Basecoat) 4 mm: 5.7 kg/m² | 6 mm: 7.6 kg/m² 9 mm: 13.3 kg/m² | Broadcast: 3.5 kg/m² TopCoat: 0.6–0.8 kg/m²
MasterCoat **ULTRA RT**	MasterCoat ULTRA Primer 0.5 kg/m² (Optional)	MasterCoat ULTRA RT 6 mm: 12 kg/m² | 9 mm: 18 kg/m² 12 mm: 24 kg/m²



EXTREME TEMPERATURE RESISTANCE
-45°C to +125°C

HIGH CHEMICAL & THERMAL RESISTANCE
Built for aggressive environments

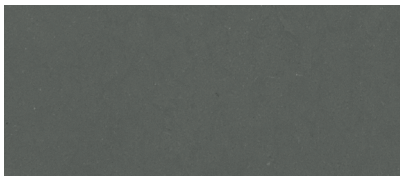
SLIP-RESISTANT OPTIONS
R10 to R13 profiles available

HYGIENIC & EASY TO CLEAN
Seamless, impervious and hygienic

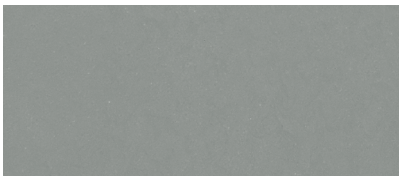
FAST INSTALLATION & CURE
Minimise downtime and disruption

SYSTEMS FOR EVERY APPLICATION
From light-duty to extreme performance

Colours


Dark Grey


Mid Grey


Light Grey


Yellow

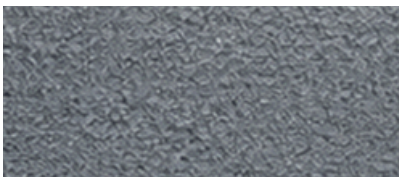

Blue

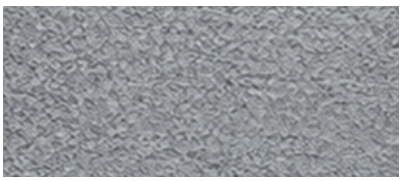

Red


Green

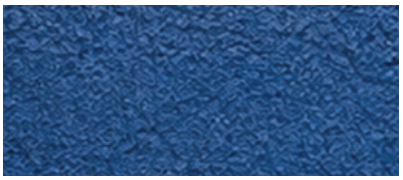
Anti-slip texture

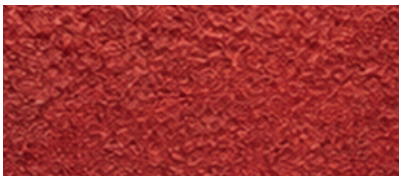














Global Reach, Continuous Innovation

Evolving Product Research

Through dedicated R&D facilities worldwide, we continually refine our formulations to anticipate industry changes. We adapt to new regulatory compliance frameworks, environmental guidelines, and shifting performance demands.

Next-Generation Solutions

By constantly integrating innovative, cutting edge technologies - from advanced microbial barriers to resilient polymers - MasterCoat® ULTRA remains at the forefront of the global commercial flooring market.

Choosing the Best Solution

Our experts will work with the contractors to specify the best solution according to the specific requirements. We believe in the power of lasting performance and continuous evolution, ensuring your industrial footprint is supported by enduring quality and forward-thinking engineering.

Master Builders Solutions® for the Construction Industry

MasterCrete®
Solutions for concrete repair and protection

MasterCrete® FC
Solutions for concrete repair requiring fast setting

MasterShield®
Solutions for concrete protection

MasterCrete® ANC
High-performance chemical anchoring

MasterFlux®
Solutions for precision grouting and anchoring

MasterCrete® WR and MasterShield® WR
Solutions for waterproofing concrete structures

MasterStrength®
Structural strengthening solutions

MasterJoint®
Solutions for joint sealing

MasterCrete® TIL
Solutions for ceramic tile installation

MasterCoat®
Solutions for industrial and decorative flooring

MasterAir®
Complete solutions for air-entrained concrete

MasterCast®
Solutions for manufactured concrete products

MasterCell®
Solutions for lightweight concrete production

MasterFinish®
Solutions for formwork treatment and surface improvement

MasterFiber®
Comprehensive solutions for fiber-reinforced concrete

MasterKure®
Solutions for concrete curing

MasterPel®
Solutions for hydrophobization, anti-efflorescence and surface protection

MasterSet®
Solutions for set control

Master X-Seed®
Advanced solutions for concrete acceleration

MasterCoat® ULTRA

Engineered for the most demanding environments

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