



# Waterproofing

Solutions that Challenge  
Moisture Penetration



# Waterproofing Solutions

One of the most critical challenges facing concrete structures today is moisture penetration. Interior or exterior, above or below grade, unprotected structures suffer from water-induced damage, including deterioration and corrosion caused by alkalis, salts, acids and mold. Liquid-applied high performance membranes and cementitious coatings offer long-lasting protection against the most damaging conditions.

## Applications

### COMMERCIAL

- Plaza Decks
- Split Slab
- Cavity Walls
- Foundation Walls
- Planters
- Parking Decks

### INDUSTRIAL

- Primary & Secondary Containment
- Cooling Towers
- Tunnels

### INFRASTRUCTURE

- Containment Vessels (NSF approved)
- Sewer/Manhole

### RESIDENTIAL

- Foundation/Basement Walls

## Technologies

- Polyurethane
- Asphalt Modified Polyurethane
- Emulsified-asphalt
- Cement-Based
- Crystalline



### Foundation and Split Slab Waterproofing

#### MasterSeal® HLM 5000 Polyurethane Membrane

A one component, moisture-curing bitumen-modified polyurethane. MasterSeal HLM 5000 forms a seamless elastomeric waterproofing membrane for exterior below-grade or between-slab applications. Available in four grades for application by trowel, squeegee, roller and spray.

#### MasterSeal 974 / 975 / 976 Drain Boards

A series of polypropylene drain board systems that produce high water flow rates, prevent blockage of core, and extend the life of the waterproofing system. MasterSeal 974, 975 and 976 are economical solutions for vertical applications such as tunnel construction, retaining walls and bridge abutments. MasterSeal 974 and 975 offer the ultimate in vertical drain solutions and can be used on foundation walls, lagging walls and parking decks. High-strength, high-performance MasterSeal 976 is ideally suited for demanding horizontal applications such as plaza decks, split slab construction, garden roofs and terraces and parking decks.

#### MasterSeal 610 / 614 / 615 Coatings

Cold-applied emulsified asphalt dampproofing and vapor-retarding coatings used on "green" or slightly damp surfaces. Use MasterSeal 610, 615 and 615 mastics on interior surfaces above grade and on exterior surfaces below grade.

### Cementitious Waterproofing

#### MasterSeal 581 Waterproofing Coating

A Portland cement-based waterproofing / dampproofing coating for concrete and masonry surfaces. NSF Certified for potable water, MasterSeal 581 resists hydrostatic pressure and fills and seals pores and voids, correcting surface irregularities and eliminating the need for concrete rubbing. It can be used interior or exterior, above and below grade, and provides an economical, low maintenance finish.

#### MasterSeal 582 Foundation Coating

Waterproof, cement-based coating for exterior below-grade concrete and masonry. MasterSeal 582 resists both positive and negative hydrostatic pressure while allowing interior moisture to escape without damaging the coating.

#### MasterSeal 500 Waterproofing System

Crystalline, capillary waterproofing system designed to stop the passage of water from both the positive and negative side. MasterSeal 500 is NSF certified for use in potable water applications (ANSI/NSF Standard 61).

#### MasterSeal 550 Cementitious Membrane

A flexible, cementitious membrane for waterproofing concrete and masonry above and below grade. May be used on walls, floors, exterior foundation walls, balconies and exterior facades before tiling or topping.

#### MasterEmaco A 660 Admixture

A 100% acrylic admixture for cementitious products. Used as an internal admixture for MasterSeal 581, MasterEmaco N 426, Portland cement mortars, plasters, scratch and brown, stuccos and concrete mixes. Significantly improves workability, adhesion and physical properties (flexural and cohesive strength).



## Master Builders Solutions

The Master Builders Solutions brand brings all of MBCC Groups 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 MBCC Group 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 MBCC Group 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 and performance flooring solutions.

## Master Builders Solutions products for the Construction Industry:

### MasterAir®

Solutions for air-entrained concrete

### MasterBrace®

Solutions for concrete strengthening

### MasterCast®

Solutions for manufactured concrete product industry

### MasterCem®

Solutions for cement manufacture

### MasterEmaco®

Solutions for concrete repair

### MasterFinish®

Solutions for formwork treatment

### 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 solutions for self-consolidating concrete

### MasterPel®

Solutions for water tight concrete

### MasterPolyheed®

Solutions for high-performance concrete

### MasterPozzolith®

Solutions for water-reduced concrete

### MasterProtect®

Solutions for concrete protection

### MasterRheobuild®

Solutions for super-plasticized concrete

### MasterRoc®

Solutions for underground construction

### MasterSeal®

Solutions for waterproofing and sealing

### MasterSet®

Solutions for retardation control

### MasterSure®

Solutions for workability control

### MasterTop®

Solutions for industrial and commercial floors

### Ucrete®

Flooring solutions for harsh environments

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