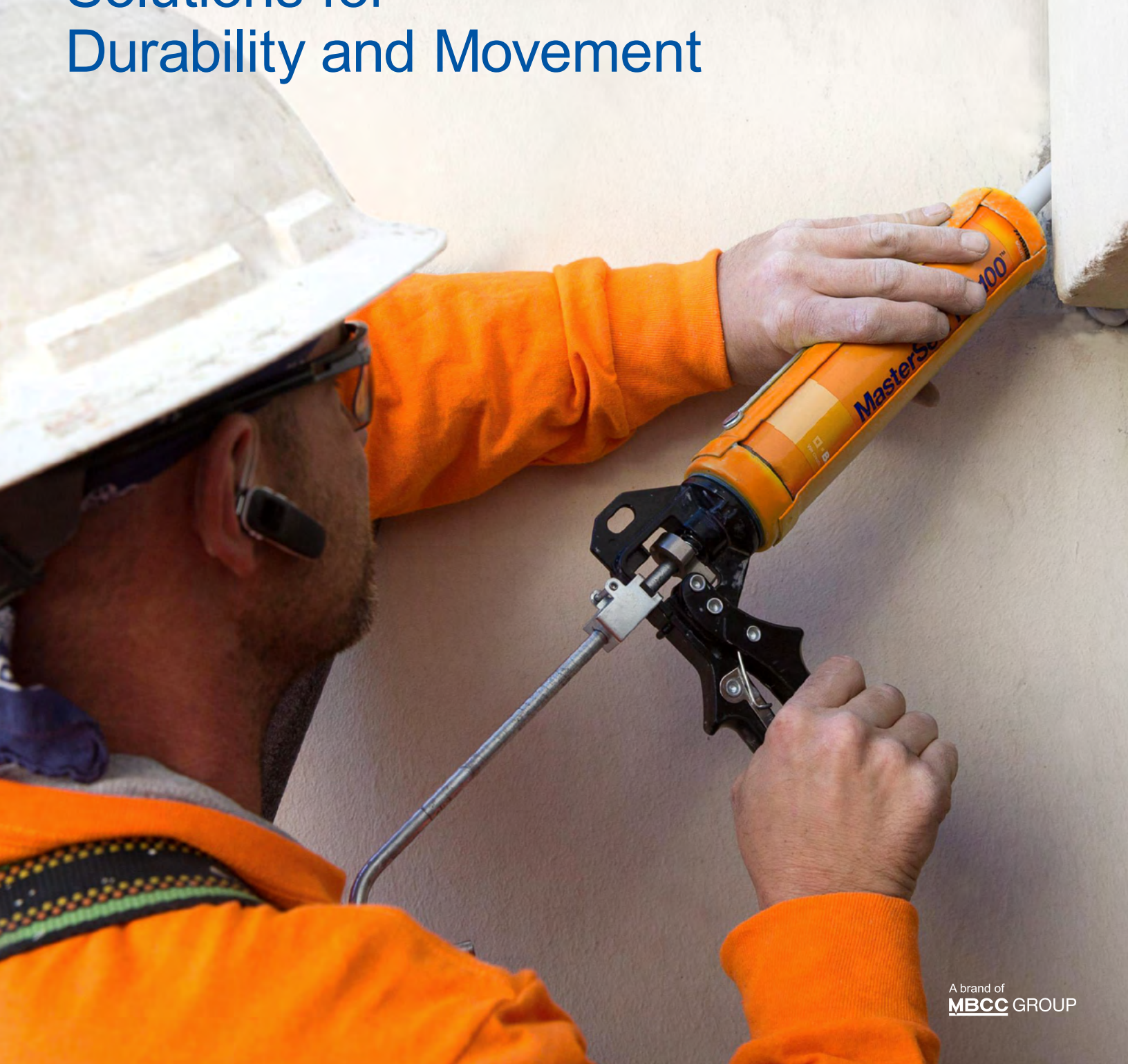




# Joint Sealants

Solutions for  
Durability and Movement





# Joint Sealant Solutions

The integrity of a structure is often only as good as the sealants used wherever two surfaces are joined together. Formulated with high performance elastomers, joint sealants ensure outstanding weatherproofing and protection against the most aggressive conditions. From self-leveling, non-sag, chemical, and water-resistant, to color-matching...the right sealants will stand the test of time – beautifully.

## Applications

- High Rise Expansion Joints
- Control Joints
- Pick Resistant Joints
- Factory Floor Seams
- Parking Garage Expansion Joints
- Pavement Detector Loops

## COMMERCIAL

- High and Mid Rise
- Retail
- Parking Structures

## INSTITUTIONAL

- Schools
- Prisons

## INDUSTRIAL

- Warehouses
- Factories

## INFRASTRUCTURE

- Roads
- Bridges
- Runways

## Technologies

- Polyurethane
- Silyl-terminated Polyether
- Epoxy
- Polyurea
- Polyester
- Silyl-terminated Polyurethane

## Vertical Expansion Joints

### MasterSeal® NP 1™ Sealant

A one-component, high-performance, gun-grade, moisture-curing, sound dampening polyurethane sealant designed for a wide range of sealing and caulking applications in active exterior joints. MasterSeal NP 1 requires no mixing and typically bonds to many materials without a primer, including concrete and masonry. In accordance with ASTM C719, MasterSeal NP 1 has been tested to achieve a class  $\pm 35$  movement rating.

### MasterSeal NP 2™ Sealant

A two-component, gun-grade polyurethane sealant that produces a flexible, long-lasting seal. MasterSeal NP 2 bonds to most common construction materials without a primer. There are more than 400 standard colors and custom color matching can be done on request. MasterSeal NP 2 is also available pre-tinted to Limestone or Precast Gray for ease of use. MasterSeal NP 2 has been tested to achieve a class  $\pm 25$  movement rating.

### MasterSeal TX 1 Textured Sealant

A one-component, textured moisture-curing, polyurethane sealant for use in concrete and masonry, as well as other substrates where a textured sealant is desired. In accordance with ASTM C719, it has been tested to achieve a class  $\pm 25$  movement rating.

### MasterSeal CR 195 Sealant

A one-component, moisture-curing, gun-grade aliphatic polyurethane sealant. MasterSeal CR 195 is UV-resistant, non-chalking, non-staining and self-cleaning. MasterSeal CR 195 withstands a class  $\pm 25$  movement rating per ASTM C719 yet has a high Shore A hardness for security applications. MasterSeal CR 195 can be used on most common construction materials.

### MasterSeal HY 35 Versatile Hybrid Sealant

A high performing, one-component, non-sag, hybrid sealant that provides excellent adhesion and quick skin times to quickly paint. MasterSeal HY 35 withstands a class  $\pm 35$  movement rating per ASTM C719 and over 400% ultimate elongation. MasterSeal HY 35 is formulated with unique polymers that allow for versatile adhesion to a variety of substrates and provides long term durability.

### MasterSeal NP 100™ Hybrid Sealant

A high performance, one-component, non-sag, hybrid sealant with excellent movement capability. MasterSeal NP 100 adheres tenaciously to a wide variety of substrates, resulting in a long term bonds. Its high performance combined with NP 100's ease of use make it an ideal joint sealant for both new construction and restoration projects. MasterSeal NP 100 is also available in Tint Base to meet a wide variety of color requirements and can be accelerated for colder temperature applications.

### MasterSeal NP 150™ Premium Sealant

A low-modulus, high movement, fast-curing, premium-grade product. It can be used on a wide variety of building materials, and is ideal for EIFS and stucco wall systems and applications requiring fast paintability. In accordance with ASTM C719, MasterSeal NP 150 has been tested to achieve a class  $\pm 50$  movement rating. MasterSeal NP 150 is also available in a Tint Base to offer more than 400 standard colors and custom color options.

### MasterSeal NP 520 Siliconized Acrylic Latex Sealant

A single component, sound dampening, siliconized acrylic latex sealant formulated to provide easy gunnability, tooling and a fast setting seal with minimal shrinkage. It provides enhanced adhesion and weather ability, making it an ideal solution for many interior and exterior sealing applications.

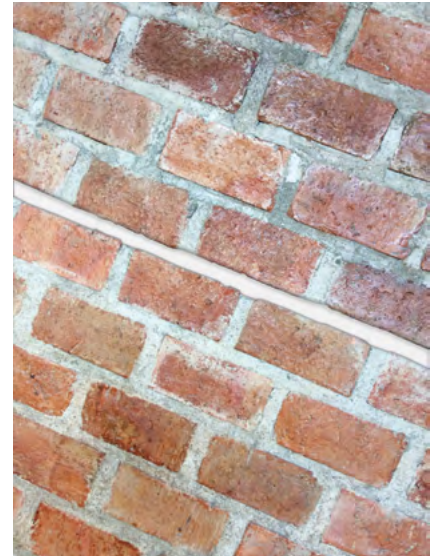
### Horizontal Joints

#### MasterSeal SL 1™ Self-Leveling Sealant

A one-component, self-leveling, non-priming, polyurethane sealant designed for horizontal expansion joints in concrete floors and decks. Use where flexibility as well as abrasion and puncture resistance are required.

#### MasterSeal SL 2™ Sealant

A two-component, polyurethane sealant that is mixed and poured in place. When cured, it forms a tough, resilient joint seal that resists penetration and abrasion, and remains flexible through exposure to weather and aging. MasterSeal SL 2 is available in both self-leveling and slope grades. It can be color matched to any substrate. MasterSeal SL 2 is also available pre-tinted to Limestone or Precast Gray for ease of use.



### Industrial Flooring & Backing Mates

#### MasterSeal CR 190 Sealant

A two-part, self-leveling, 100% solids epoxy joint filler. MasterSeal CR 190 forms a tough, abrasion and penetration-resistant seal for use in concrete floor saw cuts, control joints and cracks. Its excellent bond strength reinforces control joints against the abuses of heavy traffic.

#### MasterSeal CR 100 Control Joint Filler

A two-part, self leveling, 100% solids polymer control joint filler. MasterSeal CR 100 has excellent resistance to physical and chemical abuse and cures quickly for fast turnarounds. It is ideal for industrial floors and secondary containment areas.

#### MasterSeal 920 / MasterSeal 921 Polyethylene Backer Rods

Provide support and proper shape for MasterSeal sealants. MasterSeal 920 has low moisture absorption for use on or below-grade. Its resilience accommodates dynamic joints. MasterSeal 921 soft backer-rod is nongassing when punctured, eliminating a source of sealant bubbling. It compresses easily to accommodate joints of varying widths.

### Adhesives, Roadway and Runway

#### MasterSeal NP 125 Sealant

A premium-quality, single-component, synthetic rubber-based adhesive and sealant for use primarily by roofers. MasterSeal NP 125 is intended for use in the installation of concrete and clay roof tiles and miscellaneous maintenance on residential and commercial roofs.

#### MasterSeal SL 180 Traffic Sealant

A two-component, powder-catalyzed, flexible sealant used to protect detector loop wires for traffic signals and parking gates; specifically designed for the traffic-control industry. MasterSeal SL 180 cures quickly to minimize traffic disruption. It is easy to use, flexible, self-leveling and moisture-tolerant.

#### MasterSeal CR 125 Security Sealant

A one-component, non-priming self-leveling joint sealant composed of bitumen-modified polyurethane. MasterSeal CR 125 withstands chemical attack, heavy traffic, and has a long performance life. Typical uses include airport runways and industrial floors.



## 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®

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### MasterGlenium®

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### MasterInject®

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**Constructions Systems US, LLC**  
 889 Valley Park Drive  
 Shakopee, MN 55379 USA

**Customer Service (800) 433-9517**  
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[master-builders-solutions.com/EN-US](http://master-builders-solutions.com/EN-US)



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