



# MasterSeal® AWB

Fluid-Applied  
Air/ Water-Resistive  
Barriers with Silica Fortified  
Rubber™ Chemistry





# Creating High Performance Air / Water-Resistive Barriers

Silica Fortified Rubber™ is a unique air/water-resistive barrier chemistry from Master Builders Solutions. It has been designed to provide an optimal balance of properties that address the diverse needs of high-performance air/water-resistive barriers.



### MasterSeal AWB Properties

MasterSeal AWB products are tough, self-sealing, abrasion-resistant and UV-stable. These properties are derived from the chemical makeup of MasterSeal AWB. A proprietary Master Builders Solutions elastomeric polymer backbone is combined with silica aggregate. Both aspects make important contributions to MasterSeal AWB performance.

The premium MasterSeal AWB polymer matrix is plasticizer-free. This provides improved compatibility and enhanced long-term performance, since there is no opportunity for loss of properties or contamination of adjacent materials due to plasticizer migration over time. MasterSeal AWB products offer six-month outdoor weather stability, and two-year shelf stability. Additional benefits include self-sealing properties with fasteners typically found on a jobsite, including screws, nails and staples.

The tenacious polymer matrix firmly holds the silica aggregate in place. Silica in the MasterSeal AWB formulation provides abrasion resistance, helping MasterSeal AWB manage the rigors of real world jobsite conditions. It also textures the surface, allowing sealants, adhesives and spray polyurethane foam to grab onto and firmly bond to MasterSeal AWB.

### Application and Sustainability

Premium Silica Fortified Rubber chemistry creates notable in-use efficiencies. Since it offers excellent strength, durability and selfsealing properties, the amount of material needed to function effectively is reduced.

This allows MasterSeal AWB products to dry quickly and simplify application. It also allows MasterSeal AWB 660, 660 I and 665 to provide ASTM E84 Class A performance without relying on flame retardant additives. NFPA 285 fire tests and engineering analyses are available upon request for a range of wall assemblies.

Being water-based, MasterSeal AWB is non-flammable as applied. In addition, it offers low VOC content, low odor and low toxicity. So it is friendly to the people who apply it as well as the buildings it is applied to. Sustainable development is a core strategic principle of Master Builders Solutions, and MasterSeal AWB is an example of this principle in action. Together with design professionals and contractors, Master Builders Solutions Construction Systems helps build and restore structures that perform to the highest standards while minimizing environmental impact.







## 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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