



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

Master Builders Solutions
Constructions Systems US, LLC
 889 Valley Park Drive
 Shakopee, MN 55379 USA

Customer Service (800) 433-9517
Technical Service (800) 243-6739
master-builders-solutions.com/EN-US



® registered trademark of a Group member
 in many countries of the world

© 2021 MBCC Group, 14000278 rev 03/2021

LIMITED WARRANTY NOTICE: Master Builders Solutions Construction Systems US, LLC ("Master Builders") warrants this product to be free from manufacturing defects and to meet the technical properties on the current Technical Data Guide, if used as directed within shelf life. Satisfactory results depend not only on quality products but also upon many factors beyond our control. Master Builders MAKES NO OTHER WARRANTY OR GUARANTEE, EXPRESS OR IMPLIED, INCLUDING WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE WITH RESPECT TO ITS PRODUCTS. The sole and exclusive remedy of Purchaser for any claim concerning this product, including but not limited to, claims alleging breach of warranty, negligence, strict liability or otherwise, is shipment to purchaser of product equal to the amount of product that fails to meet this warranty or refund of the original purchase price of product that fails to meet this warranty, at the sole option of Master Builders. Any claims concerning this product must be received in writing within one (1) year from the date of shipment and any claims not presented within that period are waived by Purchaser. Master Builders WILL NOT BE RESPONSIBLE FOR ANY SPECIAL, INCIDENTAL, CONSEQUENTIAL (INCLUDING LOST PROFITS) OR PUNITIVE DAMAGES OF ANY KIND.

Purchaser must determine the suitability of the products for the intended use and assumes all risks and liabilities in connection therewith. This information and all further technical advice are based on Master Builders present knowledge and experience. However, Master Builders assumes no liability for providing such information and advice including the extent to which such information and advice may relate to existing third party intellectual property rights, especially patent rights, nor shall any legal relationship be created by or arise from the provision of such information and advice. Master Builders reserves the right to make any changes according to technological progress or further developments. The Purchaser of the Product(s) must test the product(s) for suitability for the intended application and purpose before proceeding with a full application of the product(s). Performance of the product described herein should be verified by testing and carried out by qualified experts.