

# MasterSeal<sup>®</sup> AWB 661FL

Specially formulated filling and smoothing compound for use on porous concrete block and concrete as part of a MasterSeal air and water resistive barrier membrane system

## DESCRIPTION

**MasterSeal AWB 661FL** is a one-component, water vapor permeable, water based block filler and smoothing compound based on Silica Fortified Rubber™ chemistry. It has been specifically designed for use with **MasterSeal AWB 661I** and **MasterSeal AWB 661HP** products as part of an air and water resistive barrier membrane system.

## TYPICAL APPLICATIONS

- As a pore filler and smoothing compound on porous concrete masonry blocks or poured concrete substrates
- As an integral part of building designs incorporating **MasterSeal AWB** air and water resistive barrier membranes to reduce heating and cooling costs during the life of the building
- Designed to promote adhesion of TWF-TF membrane
- Low shrinkage; fills voids and pores
- Water-based; non-flammable, low toxicity

## ADVANTAGES

- Highly water vapor permeable
- Low shrinkage fills voids and pores completely without cracks

- One component, low-VOC formulation - easy to apply, meets statutory VOC requirements
- Ready to use – no mixing needed
- Can be applied by robust airless spray, brush roller or trowel
- Non-flammable as applied; improves workplace safety
- Mineral oil and plasticizer free; will not dry out or crack
- Water based – tools can be cleaned with water; solvents and citrus based cleaners not required
- Approved for use with Master Builders Solutions EIFS and stucco systems - full system warranty, seamless membrane for buildings with multiple claddings

## PACKAGING AND COLORS

**MasterSeal AWB 661FL** is supplied in 25kg pails and available in White color.

## TYPICAL PROPERTIES\*

Test	Results
Solids content	75%
VOC content	10 g/L
Water Vapor Transmission ASTM E96 Method B at 375 microns wft	>20 perms
Pull of strength ASTM D4541	1.2 N/mm <sup>2</sup>
Water permeability BS EN 12390	Nil

## APPLICATION GUIDELINES

**Application Equipment**  
 19mm nap roller or high volume, low pressure spray equipment capable of handling abrasive materials. Spray equipment capable of handling the **MasterSeal AWB** membranes can also be used for **MasterSeal AWB 661FL**.

**Application**  
 Pre-wet new roller pads and spin out excess water. This should be done once only to ensure that new roller pads fully saturate with **MasterSeal AWB 661FL**.

Keep the roller fully loaded with material. Work **MasterSeal AWB 661FL** uniformly onto the wall, maintaining a wet edge.

See the Method Statement for MasterSeal AWB for more information. Surfaces of porous or open texture blockwork, or blow holes in poured concrete, can be filled by tight troweling. **MasterSeal AWB 661FL** across the surface using the edge of a steel trowel or rubber float.

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Drying and overcoat times

**MasterSeal AWB 661I** or **MasterSeal AWB 661HP** can be applied by brush, roller or trowel once

**MasterSeal AWB 661FL** has cured to a hardened, moderately tacky state. This typically occurs within 4 hours when applied to dry CMU at 21°C at 50% relative humidity. Temperature, humidity, wind, and substrate moistness can all affect curing time. Spray application can continue without delay.

Application Temperatures

**MasterSeal AWB 661FL** can be applied at temperatures ranging from 5°C to 40°C.

At elevated temperatures working times will be reduced. It is recommended that areas be shaded from direct sunlight where possible and protected from hot, drying winds.

## SURFACE PREPARATION

Substrates shall be dry, clean, sound and free of release agents, paint or other residue or coatings. Verify that the substrate is flat, masonry joints are struck flush or struck clean, and the substrate is continuous and unbroken. Any missing or damaged mortar or block shall be repaired or replaced to provide a flat surface prior to application of **MasterSeal AWB 661FL**.

Allow mortared structures to cure for a minimum of 10 days prior to application of **MasterSeal AWB 661FL**.

Point or seal any cracks or voids over 2mm.

## MIXING

**MasterSeal AWB 661FL** does not require mixing.

## COVERAGE / YIELD

Depends on substrate and degree of preparation:

Poured Concrete	Approx. 22m <sup>2</sup> per pail
Concrete Masonry Units (CMU)	Approx. 17m <sup>2</sup> per pail
Cement Board	Approx. 22m <sup>2</sup> per pail

\*Above figures refer to application by roller or spray and back-roll method for optimum coverage rate. Other application methods may provide less coverage. Actual results may vary depending on surface porosity, moisture uptake or other factors.

Actual results will vary depending on surface porosity, and texture. We recommend that actual data be obtained from job-site trials.

## WATCHPOINTS

The upper portion of all wall assemblies shall be protected from precipitation and other forms of moisture ingress before application of

**MasterSeal AWB 661FL**.

## STORAGE AND SHELF LIFE

Shelf life is 12 months from date of manufacturing in unopened original containers. Product must be kept out of direct sunlight and in a dry, cool, air-conditioned warehouse below 35°C temperature.

Store clear of the ground on pallets and do not stack pallets.

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## HEALTH AND SAFETY

As with all chemical products, care should be taken during use and storage to avoid contact with eyes mouth, skin and foodstuffs. Treat splashes to eyes and skin immediately. If accidentally ingested, seek immediate medical attention. Keep away from children & animals. Reseal containers after use. For further information, refer to material safety data sheet.

## QUALITY AND CARE

All products originating from Master Builders Solutions facility are manufactured under a management system independently certified to conform to the requirements of the quality, environmental and occupational health and safety standards of ISO 9001 and ISO 14001.

\* Properties listed are based on laboratory controlled tests.

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## STATEMENT OF RESPONSIBILITY

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## NOTE

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