

MasterSeal® 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 is chemically identical to, and performs the same function as, **Enershield FL**, which it replaces. 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.

PRIMARY USES

- 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 – improves workplace safety
- Mineral oil and plasticizer free - will not dry out or crack
- Water based – clean tools with water
- Approved for use with BASF EIFS and stucco systems - full system warranty, seamless membrane for buildings with multiple claddings

PACKAGING

MasterSeal AWB 661FL is available in 25kg pails.

COLOUR

White

COVERAGE

Depends on substrate and degree of preparation:

Poured Concrete	Approx. 22m ² per pail
Concrete Masonry Units (CMU)*	Approx. 17m ² per pail
Concrete / Masonry pre-treated and smoothed with MasterSeal AWB 661FL Block Filler	Approx. 22.5m ² per pail
Cement Board	Approx. 22m ² 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 will vary significantly depending on surface porosity, and texture. We recommend that actual data be obtained from job-site trials.

TYPICAL PROPERTIES

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

MasterSeal[®] AWB 661FL

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.

APPLICATION

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 trowelling **MasterSeal AWB 661FL** across the surface using the edge of a steel trowel or rubber float.

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.

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 & SHELF LIFE

Store in unopened containers in clean, dry place protected liquid system components from freezing. Store at no less than 4°C and below 35°C. Protect from extreme heat and direct sunlight. Do not stack pallets.

Shelf life

Approximately 12 months when stored as above.



We create chemistry

MasterSeal[®] AWB 661FL

SAFETY PRECAUTIONS

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.

NOTE

Field service, where provided, does not constitute supervisory responsibility. For additional information contact your local BASF representative.

BASF reserves the right to have the true cause of any difficulty determined by accepted test methods.

QUALITY AND CARE

All products originating from BASF 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, ISO 14001 and OHSAS 18001.

* Properties listed are based on laboratory controlled tests.

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STATEMENT OF RESPONSIBILITY

The technical information and application advice given in this BASF publication are based on the present state of our best scientific and practical knowledge. As the information herein is of a general nature, no assumption can be made as to a product's suitability for a particular use or application and no warranty as to its accuracy, reliability or completeness either expressed or implied is given other than those required by law. The user is responsible for checking the suitability of products for their intended use.

NOTE

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BASF Construction Chemicals UAE LLC
P.O. Box 37127, Dubai, UAE
Tel: +971 4 8090800 Fax: +971 4 8851002
www.master-builders-solutions.basf.ae

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