

Senerflex® Secondary Weather Barrier System

Class PB EIFS incorporating a secondary air/weather barrier

DESCRIPTION

Senerflex® Secondary Weather Barrier System is an enhanced Class PB EIFS that includes a secondary air/weather barrier for the protection of moisture sensitive sheathing. The system offers design flexibility, aesthetic appeal and energy savings.

Integrated system components include secondary air/weather barrier, adhesive, insulation board, reinforced base coat and 100% acrylic polymer primer and finish. Apply the system directly to the following acceptable sheathings: cement board, poured concrete/unit masonry, paper-faced gypsum sheathing, fiberglass mat-faced gypsum sheathing. Senerflex® Wall Systems have passed rigorous tests including Full-Scale Fire, Wind-Load, Wind-Driven Rain, and Large and Small Missiles.

Finishes are available in a limitless colour selection and offer performance enhancement options, including increased resistance to dirt pick-up and mildew.

Senerflex® Secondary Weather Barrier System features easy installation, proven durability and low maintenance.

TYPICAL APPLICATIONS

For exterior walls in new and retrofit commercial and institutional projects when additional moisture protection of the sheathing is desired or required to satisfy codes

ADVANTAGES

- Incorporates a seamless, monolithic secondary air/water-resistive barrier to protect the sheathing and to guard against incidental moisture intrusion and air infiltration
- Seamless exterior blanket of insulation provides high R values, lowers heating and cooling costs
- Cost-effective
- Potentially allows downsizing of HVAC systems
- Does not require control joints; flexible
- Fade-, crack-, abrasion- and dirt-resistant
- Multiple options for impact resistance improve functional design, ease of maintenance

- Wide selection of finish textures, standard and custom colours

PACKAGING

MasterSeal AWB 661FL (for porous substrates)	25 kg
MasterSeal AWB 661HP or MasterSeal AWB 661I	25 kg
Alpha Dry Adhesive	25 kg
Insulation Board	procured locally
Alpha Dry Base Coat	25 kg
Flexguard 4 Reinforcing Mesh	100 cm x 50 m roll
Intermediate 12 Reinforcing Mesh	10 cm x 25 m roll
Tinted Primer	24.9 kg (19 L)
Senergy Finish Coat:	
Belgian Lace Finish	25 kg
Fine Finish	25 kg
Classic Finish	25 kg
Coarse Finish	25 kg
Sahara Finish	25 kg
Texture Finish	25 kg
Accessories:	
Corner Beads with Mesh	100 mm x 150 mm x 2.5 m
Starter Track Alu	procured locally
Insulation Fasteners	procured locally

COLOURS

Available in a wide variety of standard and custom colours

A brand of

Senerflex® Secondary Weather Barrier System

APPLICATION GUIDELINES

PLACING / APPLICATION

1. Apply **Senerflex® Secondary Weather Barrier System** materials in accordance with specifications.
2. Apply **MasterSeal AWB 661FL** filling and smoothing compound on porous concrete and concrete blocks.
3. Apply **MasterSeal AWB 661HP** or **MasterSeal AWB 661I** air/weather barrier. All sheathing joints and windows/openings must be protected.
4. Install insulation board horizontally, butting edges tightly, staggering vertical joints and corners in a running bond pattern, attaching securely using **Alpha Dry Adhesive** or **Alpha Dry Base Coat**.
5. Embed **Reinforcing Mesh** in wet **Alpha Dry Base Coat** so that no reinforcing mesh colour is visible. Double layers of mesh must be applied at all inside and outside corners. Window corners also require secondary reinforcement as per details. Apply multiple layers of Reinforcing Mesh and Base Coat where required for added impact resistance.
6. Apply **Color Coat** into sealant joints after reinforced **Alpha Dry Base Coat** has dried.
7. Apply **Tinted Primer** to the dry reinforced base coat.
8. Apply finish coat (**Fine, Belgian Lace, Classic, Coarse, Sahara, Texture Finishes**) to match the specified finish type, texture and colour when primer and/or reinforced base coat are dry.

CLEANING

Clean tools with soap and water immediately after use.

COVERAGE / YIELD

Product Names	Coverage
MasterSeal AWB 661FL	Poured Concrete: 22 m ² /25 kg Concrete Masonry Units (CMU): 17 m ² /25 kg Cement Board: 22 m ² /25 kg
MasterSeal AWB 661HP	Poured Concrete: 42 m ² /25 kg Concrete / Masonry pretreated and smoothed with MasterSeal AWB 661FL: 42 m ² /25 kg Cement Board: 42 m ² /25 kg Concrete Masonry Units (CMU): Standard Weight: 22 m ² /25 kg Medium Weight: 16 m ² /25 kg Light Weight: 11 m ² /25 kg
MasterSeal AWB 661I	Poured Concrete: 23.5 m ² /25 kg Concrete Masonry Units (CMU): 18 m ² /25 kg Concrete / Masonry pre-treated and smoothed with MasterSeal AWB 661FL: 24.5 m ² /25 kg Cement Board: 23.5 m ² /25 kg
Alpha Dry Adhesive to adhere Insulation Board	Notched trowel method: 7.2 m ² /25 kg (EPS) 3.0 m ² /25 kg (Rockwool) Ribbon and dab method: 8.1 m ² /25 kg (EPS)
Alpha Dry Base Coat to embed Flexguard 4 Reinforcing Mesh	12.2 m ² /25 kg (EPS) 5.6 m ² /25 kg (Rockwool)
Alpha Dry Base Coat to embed Flexguard 4 Reinforcing Mesh and Intermediate 12 Reinforcing Mesh	7.2 m ² /25 kg (EPS) 3.7 m ² /25 kg (Rockwool) 69.6-116.1 m ² /24.9 kg

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Senergy Finish Coat:	
Belgian Lace Finish	11.6 m ² /25 kg
Fine Finish	11.6 m ² /25 kg
Classic Finish	10.2 m ² /25 kg
Coarse Finish	6.5 m ² /25 kg
Sahara Finish	8.7 m ² /25 kg
Texture Finish	Varies depending on texture

Consult the Master Builders Solutions Technical Services Department for specific recommendations concerning all other applications.

STORAGE AND SHELF LIFE

Store material in a cool, dry place. Avoid direct sunlight. Maintain temperature above 4°C.

WATCHPOINTS

- Use only for above ground vertical walls.
- Do not use in one-or two-family framed residential construction.
- Maximum allowable deflection L/240, based on stud properties only.
- The design wind-load shall not exceed the system's allowable wind-load as stated in applicable code reports.
- Details shall conform with recommendations and shall be consistent with the project requirements.
- Expansion joints are required in the system where they exist in the substrate, where the system adjoins dissimilar construction at changes in substrates, and at floor lines in multilevel wood frame construction.
- System shall terminate at expansion joints.
- Sealant joints shall be detailed and installed as per sealant manufacturer's recommendations.
- A minimum 6:12 slope is required on all horizontal surfaces greater than 2.5 cm.
- Backer rod, sealant and flashing are required at door and window openings.
- Use high impact mesh for ground floor applications in high traffic areas.
- Consult the framing and sheathing manufacturer for design and application considerations.

HEALTH AND SAFETY

Follow good safety and industrial hygiene practices during handling and installing products and systems. Take necessary precautions and wear the appropriate personal protective equipment as needed. Read material safety data sheets and related literature on products before specification and/or installation.

QUALITY AND CARE

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