FOAMGLAS® PERINSUL® SIB

COMMERCIAL WALL INSTALLATION INSTRUCTIONS

BEFORE INSTALLATION

Read all installation instructions, guide specifications, and data sheets prior to installation. It is recommended that application of the below grade wall continuous insulation occurs after the slab and back of the wall are made water-tight to prevent water becoming trapped beneath the assembly. Prior to installation, ensure that the substrate and FOAMGLAS® PERINSUL® SIB are clean, dry, sound, and free of any ice, dirt, oils, release agents or debris. Do not install system if ice or frost exists on surface of substrate or rain, snow, wind or other adverse weather would prevent or threaten correct installation. Remove any mortar fins that interrupt the application surface. If not part of the installer's responsibility, bring any deficiencies to the attention of the contractor in writing for remedy and do not proceed until corrected. Prior to installation, verify compatibility of adjacent products such wall flashing and roof membranes. Verify manufacturer recommended cure time for any membrane systems before installing continuous insulation board. Best practice includes installation of the insulation from one side to the other or from low point of roof to highpoint. However, regardless of starting point, insulation should be installed continuously moving from one location to ensure continuity, adhesion, and accurate fit without damaging the system.

GENERAL

Optimum performance of Owens Corning® FOAMGLAS® PERINSUL® SIB Insulation products is dependent on 1) selection of the correct product for the assembly or application into/on which it is to be placed and 2) following these installation instructions. General rules which apply to both selection and installation include: The surface onto which the Insulation is to be applied must be even. FOAMGLAS® PERINSUL® SIB Insulation is a rigid product and not intended for uneven surfaces. Any deformation of the application surface can result in a weakening or cracking of the insulation.

There should be no voids or gaps in the insulation itself, around any objects that penetrate the insulation or at the interface of the insulation and framing members.

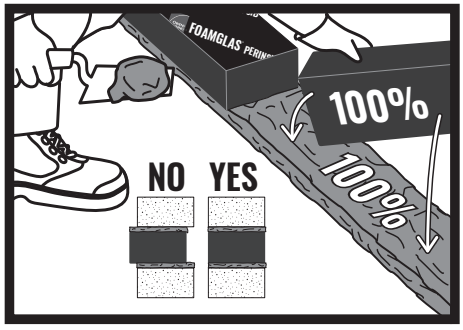
FOAMGLAS® PERINSUL® SIB Insulation is structural however, structural slabs and/or decks must be designed and reinforced to accommodate design loads by a licensed professional per applicable building code.

PREPARATION

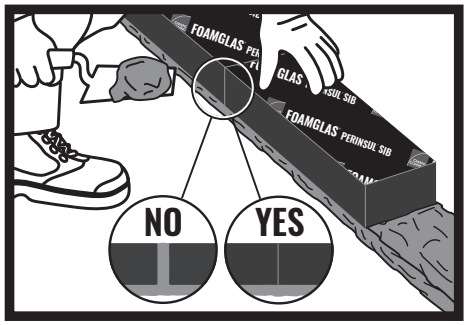
1. Verify that below grade wall, footing, structural components, waterproofing, grade, fill, service penetrations, concrete accessories, below grade gas retarding membranes, and/or below grade vapor retarding materials. Verify membranes are dry and ready to receive insulation.
2. Verify adjacent foundation and wall materials are dry and ready to receive insulation.
3. Clean surfaces thoroughly prior to installation.
4. Prepare surfaces using methods recommended by the manufacturer for achieving the best result for the substrate under the project conditions.

NON LOADBEARING MASONRY VENEER WALLS

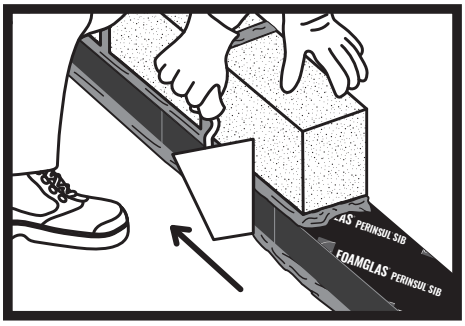
1. Verify all membrane testing has been satisfactorily completed prior to beginning installation.
2. Verify drainage composite and/or waterproofing/dampproofing is installed correctly if required prior to installation of structural insulating block.
3. Install a single layer of structural insulating block over the waterproofing/ dampproofing layer with facers facing on top and bottom surfaces fully embedded into minimum 10 mm mortar bed set on brick ledge in accordance with manufacturers' written recommendations.



4. Install cellular glass structural insulating block maximum sizes to minimize joints.
5. Locate joints square to framing members. Do not cantilever cellular glass structural insulating block.



6. Butt joints of cellular glass structural insulating block with no gaps or mortar between joints.
7. Insulation board edges shall be butted together tightly and fit around openings and penetrations. Install square edges to fit square and tight.
8. Extend insulation in single course to cover entire area to be insulated. Cut and fit tightly around obstructions and fill voids with insulation. Do not drill.
9. Place layer of minimum 10 mm mortar on upper facer of cellular glass structural insulating block to fully and continuously cover material and receive subsequent masonry courses.
10. Install masonry veneer immediately.

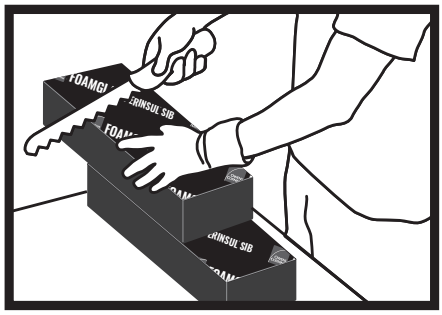


PROTECTION

1. Protect insulation from damage due to weather, freeze/thaw, and physical abuse or abrasion until protected by permanent construction.
2. Due to uncontrollable dynamic forces, do not install at top of walls.

HINTS, TIPS, TRICKS, AND AREAS OF CAUTION

1. Structural insulating block can be easily cut to size by miter saw or hand saw.
2. Round edges can be more smoothly created with by simply rubbing edges of the product to remove outer layers of cells



3. Plan installation such that veneer, flashing and/or protection can be installed at the same time as insulation.
4. Structural insulating block requires continuous bearing- do not cantilever or span openings.
5. Follow all jobsite and personal safety precautions as noted in individual product safety data sheets and in accordance with local, state, and federal safety requirements.
6. FOAMGLAS® PERINSUL® SIB is waterproof and vapor proof, but should not be relied upon as the primary building waterproofing or dampproofing layer.
7. Consult a licensed architect or engineer to verify adequate structural engineering.

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