BRIKclad Product information for submittal 2025-03

Addendum 003

Mechanically fastened clay brick and dimensional concrete unit veneer system available in a Traditional Mortared version and the Dry-Stack Mortarless version.

BRIKclad is a mechanically fastened thin cladding system available in various sizes of clay brick and thin dimensional concrete masonry units. BRIKclad uses the Quadrosera stainless steel fastening system to mechanically attach the brick to the wall sheathing and is supported by the framing structure of the building and is a non-structural, non-load bearing system. The system uses a continuous drainage cavity behind the brick to allow for drainage and ventilation of the cavity. BRIKclad weighs less than 15 LBS/sq. foot and is suitable for most existing buildings and new construction projects.

There are 2 versions of BRIKclad, Traditional Mortared version and the innovative DRY-Stack Mortarless version. Both versions have been tested to meet building code requirements for wind load, structural load and meet the required performance testing for thin adhered masonry systems and meet the following performance standards.

- ASTM C216 and C1088, CSA A82:14 for thin clay brick
- ASTM C55 and C90, CSA 165:2 for dimensional concrete units
- ASTM C270, CSA A179:14 for mortar cements
- ASTM B117 for corrosion resistance salt spray test
- ASTM F1008 for metal fasteners
- ASTM E72 wind load testing
- ASTM C1629 and ASTM E695 for impact testing

Wall prep

The sheathing to support BRIKclad needs to be a minimum 7/16 OSB or ½ plywood. If a non-combustible wall is required, there are a few sheathings that meet this requirement and have fastener capacity to receive and hold the screws for BRIKclad. Nocom Sheathing and Versaroc Sheathing are a couple examples. All sheathing must be attached with the proper sized fasteners and spaced according to local building codes, typically every 6 inches on the perimeter of the sheathing and every 12 inches on 16-inch framing centers. Any metal flashing that is required at grade should be installed and a code approved protective membrane needs to be properly installed and sealed.

For continuous insulation, there are a few ways to achieve this using the ZIP R-Sheathing or by using non-thermal bridging attachment points like the Cascadia Clip system or the Green-Girt system, both are fiberglass systems that allow for the load to be directly transferred back to the framing structure without thermal bridging.

BRIKclad Installation

Refer to BRIKclad installation guides and videos to follow the proper installation of both the Traditional Mortared version and the Dry-Stack Mortarless version.

Traditional Mortared Version
In addition to reviewing and following the installation guides and videos, the following points are important for the installation of the Traditional Mortared BRIKclad.

- Installation of the stainless-steel starter angle and QS clips inserted into the brick must be attached to the wall with the supplied stainless-steel screws. If special non-combustible sheathing is used, reference that the fasteners must be stainless steel.
- A 1-1-6 Portland/Lime/Sand mortar is recommended for filling the joints after the brick has been installed. Use either grout gun or grouting bags to fill the entire joint and open cores. The drainage plane behind the BRIKclad has a fabric to prevent mortar from filling it.
- Control joints must be installed according to BIA or NCMA requirements based on wall size and openings.
- Follow all the instructions in the installation guides.

Dry-Stack Mortarless Version
In addition to reviewing and following the installation guides and videos, the following points are important for the installation of the Dry-Stack Mortarless version.

- Installation of the stainless-steel starter angle and QS clips inserted into the brick must be attached to the wall with the supplied stainless-steel screws. If special non-combustible sheathing is used, reference that the fasteners must be stainless steel.
- There is a QS butyl string that is installed in the horizontal joints to assist with any inconsistencies in height of the clay brick units. The butyl asl slightly adheres the brick together and makes for a semi-sealed open rain-screen wall.
- It is important that all flashings and protective membranes covering the sheathing are installed properly prior to starting to install the BRIKclad Dry-Stack Mortarless version.
- Follow all the instructions in the installation guides.

Please direct any questions to www.brikclad.com

Addendum 003 March 2025

Edmonton, AB

Installation over 1-inch rigid insulation with OSB installed behind on wood framing.

Provided the OSB is minimum 7/16 thick and fastened into the framing as per local building codes, changing from the 1-inch stainless steel #8 pan head screws to a 2-inch stainless steel #8 pan head screw is acceptable. All other installation instructions are required for installation including weatherproof membrane and flashings.