

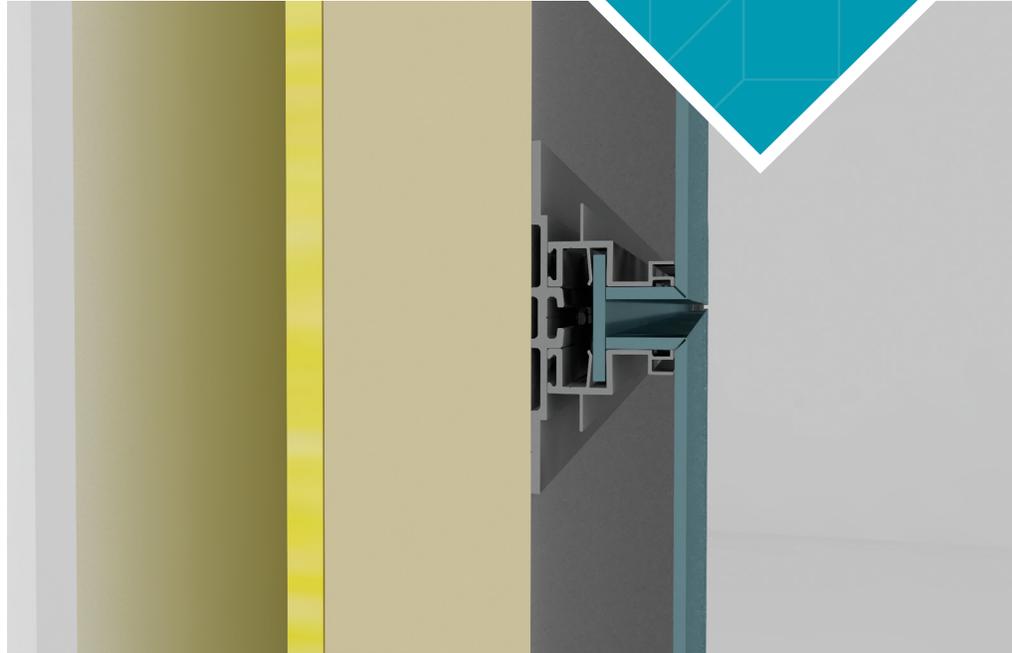
RapidWrap CI is the latest offering by Fairview Architectural, the well-known industry innovators. This truly Continuous Insulation system outperforms other exterior insulation methods and systems by nearly eliminating thermal bridging caused by structural members such as stand-offs and furring. By eliminating additional products and processes, the RapidWrapCI system reduces labor even more than the already efficient installation process of the Arrowhead family of Rainscreen systems.

WHY CONTINUOUS INSULATION?

Demand for more energy efficient buildings has increased over time, as environmental awareness increases, and energy costs continue to rise. The use of Continuous Insulation is not new, however the quest for improved thermal performance, energy efficiency, and overall increased occupant comfort has driven experts to understand the consequences of thermal bridging from structural members in the building envelope.

WHAT IS CONTINUOUS INSULATION?

Continuous Insulation, otherwise known as CI, is equivalent to wrapping a “building in a blanket” using insulation to improve the performance of the building envelope. It is defined in American Society of Heating, Refrigerating and Air-conditioning Engineers 90.1 (ASHRAE 90.1) as:



“Continuous Insulation is insulation that is uncompressed and continuous across all structural members without thermal bridges other than fasteners and service openings. It is installed on the interior or exterior or is integral to any opaque surface of the building envelope.”

*American Society of Heating,
Refrigerating and Air-conditioning
Engineers 90.1 (ASHRAE 90.1)*

HOW DOES CONTINUOUS INSULATION WORK?

Having an uninterrupted layer of insulation covering the entire exterior surface of the building eliminates any thermal transfer either through air gaps or through conductive materials, such as the aluminum and steel used in furring and structural stand-offs.

Gaps are obviously not completely avoidable in the wall build-up as windows, doors and service openings are essential,

but the more continuous the insulation in the walls is, the better the overall thermal performance will be.

There are many products, methods and systems that claim to be continuous insulation, but in fact they do not meet the ASHRAE 90.1 definition because they require structural standoffs to penetrate through the insulation therefore reducing its thermal performance.

BENEFITS OF RAPIDWRAP CI

RapidWrap CI is a fully-tested NFPA285 and ASHRAE 90.1 compliant system that provides unmatched thermal performance. The wall assembly consists of Arrowhead installation systems (ArrowheadFLEX

& ArrowheadLEAN) combined with NFPA285 compliant polyiso insulation such as DuPont's Thermax, and the option of using Vitrabond FR, Vitrabond G2 or Vitraplate cladding panels.

RapidWrap CI enables you to specify a fully-tested compliant wall assembly system instead of needing to specify each individual component separately.

FOR ENQUIRIES AND MORE INFORMATION, please call 860-242-2711 or email helpdesk@fairview-na.com.