FOAMULAR® C-200 composite resistances of 20 psi is an economical alternative to a polyurethane cell. In new building, the system is flexible even when exposed to moisture, typically prevented in the walls. For these reasons, architects, engineers, contractors and owners have been specifying and applying FOAMULAR® C-200 since 1986.

Making a unique patented blowing gas technology, Foamed panels maintain the consistent material density of choice. Manufacturing using a new blowing agent technology, Foamular industries are CPC and ZHCFC free meeting the requirements of the Montreal Protocol. They achieve zero ozone depletion and have zero global warming potential.

Insulating Effectiveness

FOAMULAR® C-200 has a thermal resistance of 3.5 and 3.4 R-value. per inch of thickness at mean temperatures of 37°F and 49°F, respectively, when tested in accordance with ASTM C 518 or C 177. Moisture permeability significantly reduces the thermal effectiveness of many insulating materials. Moisture permeability affects the thermal performance of material and form of insulation, and, to a lesser extent, polyisocyanurate and rigid fiberglass panels. FOAMULAR® C-200 however, absorbs less water than either molded EPS (beadboard) or polyisocyanurate insulation, due to its extruded surface skin and closed cell structure. The closed cell structure also accounts for its enhanced value per unit thickness (R-value, RSI in (m².k/W), RSI in (ft² °F/Btu)), RSI in (m².k/W)).

R-5 per inch at 75°F (RSI 0.88 per 25 mm when tested at 24°C)

R-5.4 per inch at 40°F (RSI 0.95 per 25 mm when tested at 4°C)

The channels allow flexibility to easily install a variety of applications including below grade exterior. Foamular C-200, however, absorbs less water than either molded EPS (beadboard) or polyisocyanurate insulation, due to its extruded surface skin and closed cell structure. The closed cell structure also accounts for its enhanced value per unit thickness (R-value). Foamular C-200 is made in 16” and 24” (400 mm and 600 mm) widths.

Moisture Resistance

FOAMULAR® C-200 has an exceptional resistance to moisture of all types: ground water, condensation, water leakage. Forex's many unique properties, polyiso foam insulating will not absorb water while maintaining its physical properties, making it an excellent choice for buildings and walls. When installed, the material has excellent performance in all building conditions.

The moisture properties of FOAMULAR®, a vacuum hydrostatic process, polystyrene foam insulation is extruded to form rigid and strong, providing an excellent substrate on which to install the finish. It also resists absorption of moisture driven through the brick, reducing the likelihood of wall damage and expensive repairs.

Ease of Handling, Installation

FOAMULAR® C-200 is lightweight, durable, and impervious to moisture. These features include handling, covering, cutting, and scoring, adding to installation efficiency. Foamular C-200 can be cut to any thickness, depends on the desired application. It is easy to handle, cover, cut, and score.

Long-Term Durability

FOAMULAR® C-200 is extremely durable because of its high compressive and flexural strength and resistance to the deleterious effects of mildew, fungus, corrosion and common salt acids.

Retirement/Upgrades in Thermal Comfort

• Insulating over existing siding saves time, labor, and money, eliminating tear off costs, and dumping charges making Foamular® C-200 an effective and economical retrofit solution.

• Its rigidity helps achieve a consistent finish when applied over the uneven surface of existing siding. Insulating over existing siding can improve the thermal performance of the wall, keeping the wall warm so that it is not subjected to temperature variations. This reduces the potential for expansion and contraction at the interface, at different temperatures lowering the likelihood of cracking mortar joints.

• The channels allow flexibility to easily install a variety of applications including below grade exterior. Foamular C-200, however, absorbs less water than either molded EPS (beadboard) or polyisocyanurate insulation, due to its extruded surface skin and closed cell structure. The closed cell structure also accounts for its enhanced value per unit thickness (R-value).

R-5.4 per inch at 40°F (RSI 0.95 per 25 mm when tested at 4°C)

R-5 per inch at 75°F (RSI 0.88 per 25 mm when tested at 24°C)

Rigid and strong, less susceptible to damage at the back, and insulating effectively. Insulating over existing siding can improve the thermal performance of the wall, keeping the wall warm so that it is not subjected to temperature variations. This reduces the potential for expansion and contraction at the interface, at different temperatures lowering the likelihood of cracking mortar joints.

Foundation are areas of potentially high moisture. It is recommended that the builders use a cushion layer as part of the interior foundation insulation. This is especially true for an interior foundation insulation. This helps keep water away from the inner wall, which is important for maintaining the insulation properties.

Classifications: Type 3, according to CAN/ULC S101.
THE PERFECT MATCH!

FOAMULAR® C-200 AND THE CAVITY WALL

THEORY

Building designers and engineers need to design walls that are effective, use efficient, cost effective and durable. Choosing FOAMULAR® C-200 Expanded Polystyrene Rigid insulation provides the perfect insulation. For every wall, use a interior look at the wall constructions.

Moisture From The Exterior And Interior

The water, primarily or coincidentally, in a cavity wall assembly fails overall performance of the insulation. However, the moisture barrier perfection of FOAMULAR® C-200 is an important factor to enter into the cavity through the exterior face and to keep hold on the bottom of the cavity.

WATER VAPOUR PERMEANCE

The moisture can pass through the cavity from the exterior side to the interior side of the building, hence it is crucial to choose a moisture retarder product that is an imperative touching in a complete wall assembly leak-proof. The performance test data below shown only FOAMULAR® C-200 is the only insulation chosen by design professionals.

FOAMULAR® C-200

EXTRUDED POLYSTYRENE RIGID INSULATION

THE NATURAL WAY.

OUTSTANDING RESISTANCE TO MOISTURE.

PERFORMANCE COMPARISONS IN LABORATORY TESTS

WATER VAPOUR PERMEANCE

CEILING BASE RESISTANCE FACTORS

When the basis for it was, or reasonably should have been, discovered. Any claim shall be deemed waived unless made to us in writing within thirty (30) days from the date sustained, nor for any loss caused by application of our materials not in accordance with our current printed materials supplied by us. We shall not be liable for incidental and consequential damages, directly or indirectly to be true and accurate and is offered for the user’s consideration, investigation and verification. Please read}

EXCEPTIONAL R-VALUE.

OUTSTANDING RESISTANCE TO MOISTURE.

LONG TERM DURABILITY.

WALL APPLICATIONS