Bayer MaterialScience

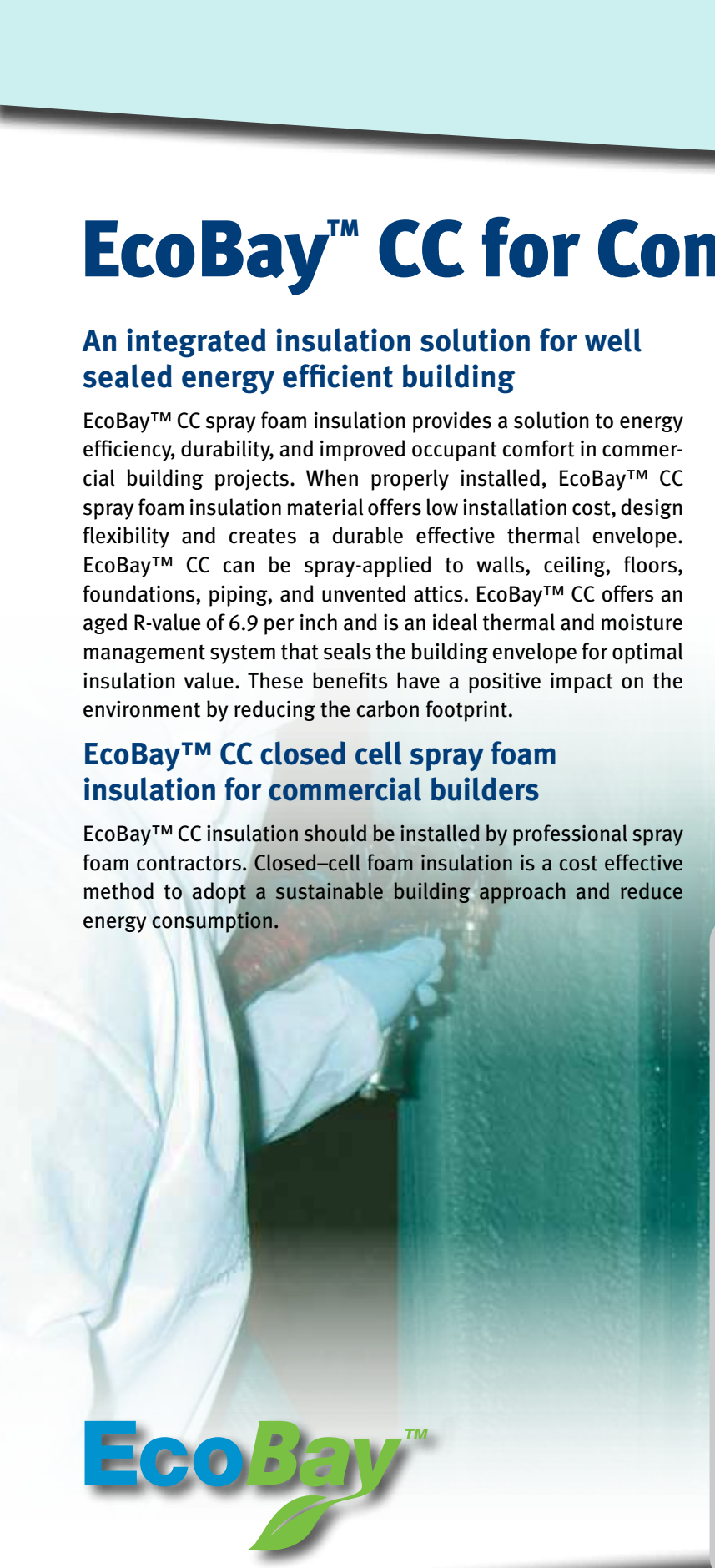
EcoBay™ CC for Commercial Builders

An integrated insulation solution for well sealed energy efficient building

EcoBay™ CC spray foam insulation provides a solution to energy efficiency, durability, and improved occupant comfort in commercial building projects. When properly installed, EcoBay™ CC spray foam insulation material offers low installation cost, design flexibility and creates a durable effective thermal envelope. EcoBay™ CC can be spray-applied to walls, ceiling, floors, foundations, piping, and unvented attics. EcoBay™ CC offers an aged R-value of 6.9 per inch and is an ideal thermal and moisture management system that seals the building envelope for optimal insulation value. These benefits have a positive impact on the environment by reducing the carbon footprint.

EcoBay™ CC closed cell spray foam insulation for commercial builders

EcoBay™ CC insulation should be installed by professional spray foam contractors. Closed–cell foam insulation is a cost effective method to adopt a sustainable building approach and reduce energy consumption.



CONSTRUCTION BENEFITS

1. Continuous insulation on the building exterior eliminates thermal bridging.
2. EcoBay™ CC between framing increases racking strength.
3. Performance Benefits: EcoBay™ CC, at 1 inch or greater thickness, constitutes a Class II vapor retarder.
4. EcoBay™ CC functions as an integral component of an air barrier system
5. EcoBay™ CC is self-sealing around building penetrations: masonry ties, plumbing, conduit
6. Meets new ASHRAE 90.1 standards for continuous insulation standard at lowest installed thickness
7. Self-adhering to vertical surfaces
8. Certified ABAA air barrier material

KEY PRODUCT BENEFITS

EcoBay™ CC offers the benefit of continuous insulation. Continuous insulation eliminates thermal breaks and provides an air tight seal of the building envelope. When EcoBay™ CC is used as continuous insulation on the exterior of the building shell, there is no need for an additional building wrap as a drainage plane.

- Offers a high insulation R-value for maximum energy efficiency
- Provides a seamless air barrier that minimizes air leakage and energy loss
- Restricts moisture transmission
- Minimizes the conditions necessary for mold growth
- Adds structural strength
- Provides a drainage plane when installed as continuous insulation
- Does not shrink or settle

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EcoBay™ spray polyurethane foam insulation for commercial builders is code compliant for Type I-V construction

How to Get Started

Contact a Regional Representative today to learn how to request EcoBay™ CC through your builder or for a list of recommended spray foam insulation contractors in your area.

Standout from conventional contractors by offering a product that delivers energy savings on heating and cooling, allows for consistent indoor temperatures, adds structural stability, is designed for advanced moisture management, and contributes to indoor air quality.

EcoBay™ CC as continuous exterior insulation

Wall Construction	Cladding / Veneer	Approved Construction Type (1)	Test (2)
Steel Stud	stucco	I, II, III, IV, VA, VB	E119, NFPA 285
	limestone	I, II, III, IV, VA, VB	E119, NFPA 285
	brick	I, II, III, IV, VA, VB	E119, NFPA 285
	CMU	I, II, III, IV, VA, VB	E119, NFPA 285
CMU	stucco	I, II, III, IV, VA, VB	E119, NFPA 285
	limestone	I, II, III, IV, VA, VB	E119, NFPA 285
	brick	I, II, III, IV, VA, VB	E119, NFPA 285
	CMU	I, II, III, IV, VA, VB	E119, NFPA 285
Concrete	stucco	I, II, III, IV, VA, VB	E119, NFPA 285
	limestone	I, II, III, IV, VA, VB	E119, NFPA 285
	brick	I, II, III, IV, VA, VB	E119, NFPA 285
	CMU	I, II, III, IV, VA, VB	E119, NFPA 285
	concrete	I, II, III, IV, VA, VB	E119, NFPA 285

(1) **Construction Type** – Types I & II are those types of construction that are mostly noncombustible materials as listed in IBC table 601.
Types III construction is the type of construction in which the exterior walls are of noncombustible materials and the interior building elements are of any material permitted by IBC code Section 2303.2.
Types V are those types of construction in which the structural elements, exterior walls, and interior walls are of any materials permitted by the IBC code

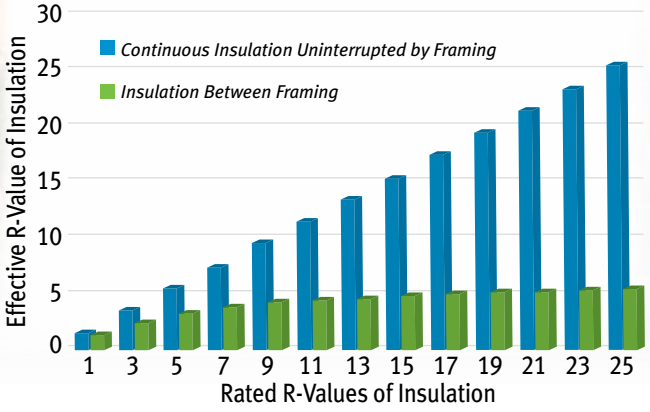
(2) **E119**–Through Wall Fire Test and **NFPA 285** Flame Spread Outside Wall

EcoBay™ CC as cavity fill between Framing

Wall Construction	Cladding / Veneer	Approved Construction Type (1)	Test (2)
Steel Stud- 1 1/2" CC (minimum)	stucco (& EFIS if meets NFPA 285)	I, II, III, IV, VA, VB	E119, NFPA 285
	limestone	I, II, III, IV, VA, VB	E119, NFPA 285
	brick	I, II, III, IV, VA, VB	E119, NFPA 285
	CMU & Precast Concrete	I, II, III, IV, VA, VB	E119, NFPA 285
	metal panel*	I, II, III, IV, VA, VB	E119, NFPA 285
	Hardy Plank	I, II, III, IV, VA, VB	E119, NFPA285

* Noncombustible core

Effective R-Value for Continuous Insulation Uninterrupted by Framing Compared to Installation Between 3.5 inch Metal Studs (from ASRAE 90.1-2007, Table A3.1D)



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