Honeywell Enovate® Blowing Agent

closed-cell spray foam commercial wall insulation

- offers high R-value per inch
- acts as a seamless air barrier
- restricts bulk water and vapor transmission
- adds structural strength
- reduces sound transmission
- does not shrink or settle
- reduces construction waste

Honeywell

a building envelope system for durable, comfortable and energy efficient businesses.

Honeywell is a leading supplier of blowing agents for closed-cell spray foam. Blowing agents make foam expand during application. Trapped in the foam cells, they are the main factor in determining R-value.

Enovate® blowing agent, a non-flammable, non ozone-depleting product, is Honeywell's latest innovation for high R-value, closed-cell spray foam. Closed-cell spray foam can reduce liability because it can help control multiple factors that can negatively effect the durability of a building.

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building designer benefits

With in-depth spray foam knowledge and established relationships with the leading spray foam manufacturers, Honeywell can help designers learn more about the benefits of this unique insulation material.

Flexibility - The many unique properties of closed-cell spray foam allow designers the freedom to apply on the interior or exterior of the structure.

HVAC equipment downsizing - Tightening the building envelope enables the use of smaller HVAC equipment. Spray foaming the roof will increase energy savings and provide the opportunity to further downsize the HVAC.

Construction simplification - Closed-cell spray foam can meet code requirements as an air barrier, water barrier and vapor retarder, as well as an insulation. It also eliminates much of the caulking, taping and sealing requirements.

Fast, green installation - Can reduce construction time because it can fulfill multiple building envelope requirements in one monolithic spray. Reduces waste because it is sprayed on-site and is efficiently transported as bulk liquid.

Wide range of applications - Wood & metal framed walls either between the studs or on the exterior sheathing, exterior on block walls, ceilings, floors, underside or on top of roofs/attics, crawl spaces, basements and foundations.

building owner benefits

Because of its unique set of benefits, spray foam now figures prominently on the list of materials discerning owners want to learn more about.

Higher energy efficiency - Exceptional air sealing and R-values greater than 6 per inch result in heating & cooling cost savings. Drafts are virtually eliminated and a more constant indoor temperature is maintained.

Improved indoor air quality - Helps prevent uncontrolled outdoor air infiltration and the penetration of dust, pollen and other allergens.

Sound barrier - Spray foam can help reduce noise transfer and sound penetration because of its air barrier characteristics.

Improved moisture and condensation control - Closed-cell spray foam offers superior performance in resisting moisture transmission and condensation because of its low vapor permeance.

Increased structural strength - Research performed by the National Association of Home Builders has shown 2x4 stud walls can support up to three times greater racking loads (structural resistance to wind) with closed-cell spray foam.

Because spray foam formulations vary from manufacturer to manufacturer, interested designers and building owners should consult the spray foam specification sheets to understand the exact properties.

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