

Dow Corning® DefendAir 200 Silicone Liquid Applied Air and Weather Barrier

The only water-based silicone air barrier complemented by a fully compatible system

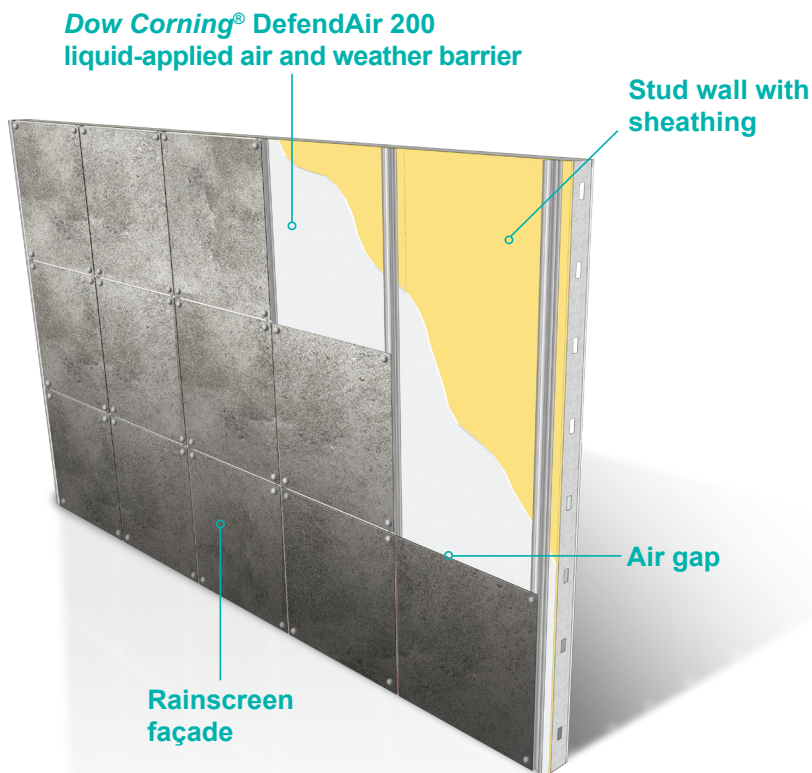
Features/Benefits

- ABAA evaluated
- Airtight performance exceeding industry standards
- Long-term UV resistance
- Passes NFPA 285 assembly testing
- Complete offering of compatible accessory materials
- Vapor-permeable and breathable
- One-coat spray application; may also be roller applied
- Water-based, low-VOC formulation ideal for green constructions
- Can be applied at temperatures as low as 20°F (-7°C)
- Primerless adhesion to most construction substrates

Uncontrolled air leakage can be a significant contributor to increased heating and cooling costs. Dow Corning® DefendAir 200 helps reduce energy consumption, providing fast, easy and effective protection from air infiltration and water penetration.

Dow Corning® DefendAir 200 is a 100% silicone liquid-applied air and water barrier. Long-term UV resistance means no performance issues from extended sun exposure – whether due to unanticipated construction delays prior to cladding installation or to normal exposure in rainscreen applications.

The vapor-permeable, one-component, water-based coating dries to form a flexible membrane that is impervious to water but has the ability to “breathe,” allowing water vapor to escape from inside the substrate.



Dow Corning® DefendAir 200 is a key component of a building weather protection system to prevent air and water infiltration.

Typical Properties⁽¹⁾

Specification Writers: These values are not intended for use in preparing specifications. Please contact your local Dow Corning sales representative or your Global Dow Corning Connection before writing specifications on this product.

Test ⁽²⁾	Property	Unit	Result
ASTM E2178	Air permeance	cfm/ft ²	<0.0003 at 1.57 psf
		L/(s-m ²)	<0.0016 at 75 Pa
CAN/ULC S741		L/(s-m ²)	<0.0019 at 75 Pa before and after conditioning (Pass)
ASTM E2357	Assembly air leakage	cfm/ft ²	<0.000007 at 1.57 psf
		L/(s-m ²)	<0.00003 at 75 Pa
CAN/ULC S742			Class 1A
ASTM E96	Water vapor permeance	US Perms	
	Desiccant (Method A)	(ng/(m ² -Pa-s))	10.1 (578)
	Water (Method B)		26.6 (1,521)
ASTM E84	Flame spread		5
	Smoke developed		115
			NFPA Class A, UBC Class 1
ASTM D4541	Pull adhesion	psi	
	Concrete		>120
	Fiberglass mat gypsum sheathing		>40 (substrate failure)
ASTM D412	Tensile strength	psi (MPa)	>200 (1.38)
ASTM D412	Elongation	%	650
UV Exposure/Resistance	5,000 hour exposure: 8 hour UV at 60°C – 4 hour water at 50°C, UVA 340 bulbs		No change
ASTM D2243	Freeze-thaw resistance		No change

⁽¹⁾Values are based on 15 mil dry-film thickness.

⁽²⁾ASTM: American Society of Testing and Materials.

Contact us

Dow Corning is collaborating with industry professionals around the world to develop solutions to improve the energy efficiency of buildings, reduce the eco-footprint of construction materials, and improve the health and safety of building occupants. Learn more about *Dow Corning*[®] DefendAir 200 and our full range of High Performance Building Solutions, including service and support, at **BuildaBetterBarrier.com**.

Dow Corning has sales offices, manufacturing sites, and science and technology laboratories around the globe. Find local contact information at **dowcorning.com/ContactUs**.

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