



DOW BUILDING SCIENCE

DEFENDAIR™ 200C Air and Weather Barrier Coating

Build a better barrier



How can you improve energy efficiency and protect your building from the environment?

With a proven weatherproofing solution: DEFENDAIR™ 200C Air and Weather Barrier Coating and the DOWSIL™ Silicone Air Barrier System.

DEFENDAIR™ 200C Air and Weather Barrier Coating – a one-part, 100% water-based silicone elastomer – can be applied easily by roller, brush or spray across a wide variety of weather conditions. It dries to form a flexible, vapor-permeable membrane that helps enable water vapor to escape.

The coating offers long-term protection from air and water infiltration, movement imposed by seasonal thermal contraction and expansion, ultraviolet radiation, and the elements. The coating maintains its water protection properties, even when exposed to sunlight, rain, snow or temperature extremes. Coated walls have no limit on exposure time, even if installation of the exterior cladding is delayed.

DOWSIL™
technologies by Dow

Introducing DEFENDAIR™ 200C Air and Weather Barrier Coating – Now can be Specified as a Medium-Build Air Barrier

Our versatile air barrier can be specified as either a low-build or medium-build fluid-applied air barrier to be installed at a required minimum total dry-film thickness of 15-mil or 17-mil on the surface of the substrate. This versatility allows building design professionals additional flexibility when considering our product. To help ensure confidence in the final dry-film thickness, we've conducted absorption testing on various common sheathing substrates. Some substrates may require different wet-film application thicknesses to achieve the specified dry-film thickness.

Experience the advantages of DEFENDAIR™ 200C Air and Weather Barrier Coating:

- **ABAA Evaluated:** Evaluated by ABAA in accordance with the ABAA S0008 Standard for Air and Water-Resistive Barriers.
- **Versatile Installation Thickness:** Can be specified as a low-build or medium-build fluid-applied air barrier.
- **High Temperature Resistance:** With a remarkable 300°F maximum service temperature rating, it surpasses many competitors and is well suited for use in high temperature applications.
- **UV Resistant:** Does not have a limit on exposure time before being covered by the exterior cladding.
- **Water-Based:** Our water-based technology helps enable wet material to be cleaned off of tools and equipment using water without the need to use solvents.
- **Construction Flexibility:** Can be applied to damp substrates and applied at temperatures as low as 20°F.
- **Transition Flexibility:** DOWSIL™ 758 Silicone Weather Barrier Sealant streamlines transitions to foundation, roofing, and flashing membranes by offering strong primerless adhesion to challenging, low surface energy, materials as well as many other common building materials.



Dow Building Science website:
dow.com/buildingscience



Visit us on Twitter
[@DowBScience](https://twitter.com/DowBScience)

- **Warranty:** DEFENDAIR™ 200C Air and Weather Barrier Coating is offered with a 10-year limited warranty. When DOWSIL™ brand sealants and transition materials are applied with DEFENDAIR™ 200C Air and Weather Barrier Coating, the system qualifies for a **15-year limited warranty**.

100% silicone system

The DOWSIL™ Silicone Air Barrier System is a suite of fully compatible high-performance silicone technologies designed to help protect the entire building envelope in both new construction and renovation projects.

- DOWSIL™ 200C Air and Weather Barrier Coating
- DOWSIL™ Silicone Transition System
 - DOWSIL™ Silicone Transition Strip
 - DOWSIL™ Silicone Molded Corner
 - DOWSIL™ Silicone Transition Inside Molded Corner
- DOWSIL™ 758 Silicone Weather Barrier Sealant
- DOWSIL™ 791 Silicone Weatherproofing Sealant
- DOWSIL™ 778 Silicone Liquid Flashing

Learn more

Explore the possibilities and find detailed installation guidance and product information on DEFENDAIR™ 200C Air and Weather Barrier Coating and the DOWSIL™ Silicone Air Barrier System at **BuildaBetterBarrier.com**.

Contact us

Dow is collaborating with industry professionals around the world to develop solutions to improve the energy efficiency of buildings for a more comfortable environment. Learn more about Dow's full range of High Performance Building solutions by visiting us online at **dow.com/BuildingScience**.

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



Contact Dow Building Science:
dow.com/customersupport



Visit us on LinkedIn
[Dow Building Science](https://www.linkedin.com/company/dow-building-science)

Images: dow_40962826244, dow_40611686414

NOTICE: No freedom from infringement of any patent owned by Dow or others is to be inferred. Because use conditions and applicable laws may differ from one location to another and may change with time, Customer is responsible for determining whether products and the information in this document are appropriate for Customer's use and for ensuring that Customer's workplace and disposal practices are in compliance with applicable laws and other government enactments. The product shown in this literature may not be available for sale and/or available in all geographies where Dow is represented. The claims made may not have been approved for use in all countries. Dow assumes no obligation or liability for the information in this document. References to "Dow" or the "Company" mean the Dow legal entity selling the products to Customer unless otherwise expressly noted. NO WARRANTIES ARE GIVEN; ALL IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE ARE EXPRESSLY EXCLUDED.

®™ Trademark of The Dow Chemical Company ("Dow") or an affiliated company of Dow

© 2024 The Dow Chemical Company. All rights reserved.

2000024823-7094

Form No. 63-6835-01-0524 S2D