

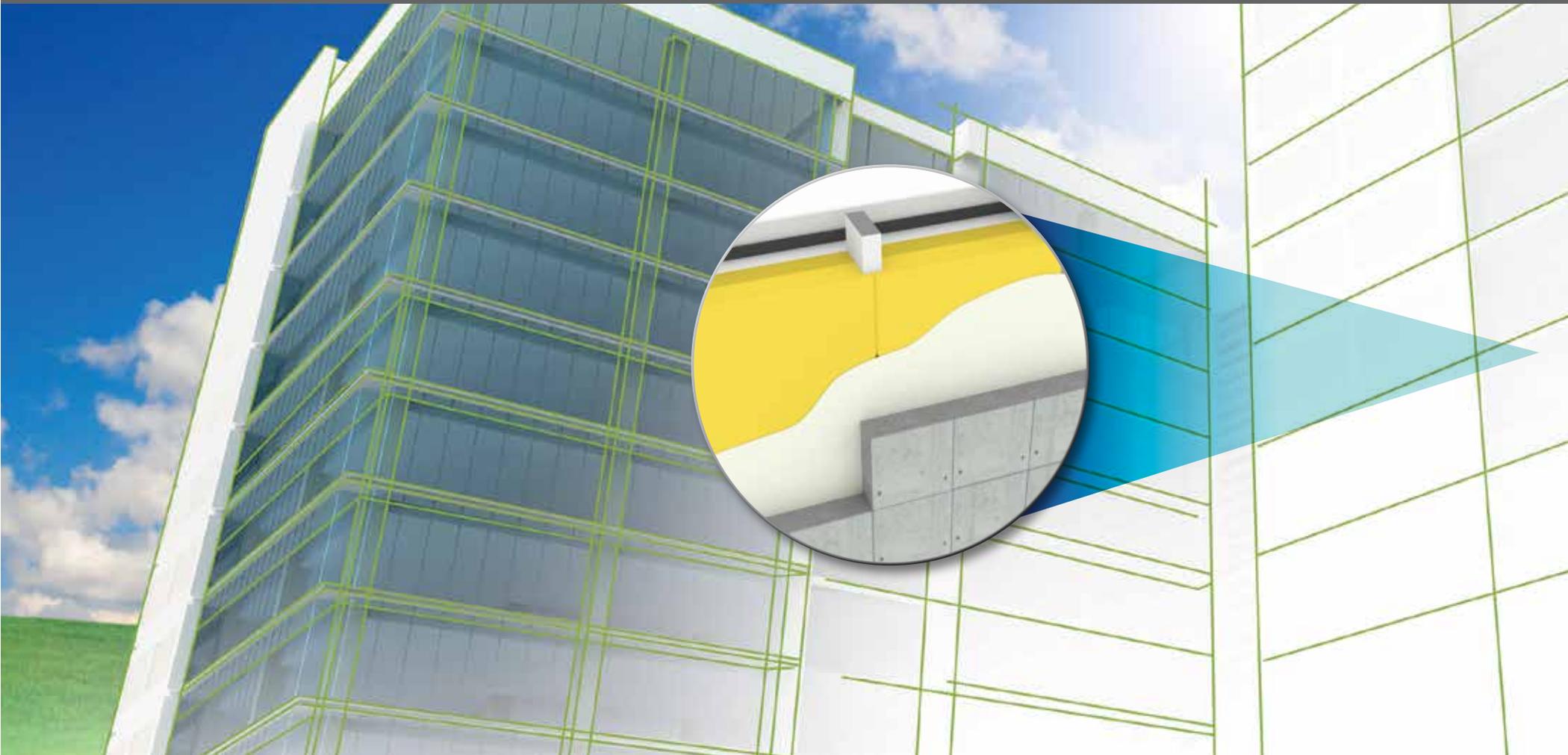


High Performance Building  
Solutions



# Dow Corning<sup>®</sup> Silicone Air Barrier System Application Guide

Dow Corning<sup>®</sup> *DefendAir 200* – Spring 2013



## Table of Contents

Product Descriptions	Page 1
UV Exposure	Page 2
Availability	Page 2
Shelf Life	Page 2
Compatibility with <i>Dow Corning</i> <sup>®</sup> brand Products	Page 2
Application and Service Temperature and Humidity	Page 3
Chemical Resistance	Page 3
Substrate Compatibility and Adhesion	Page 3
Workmanship Considerations	Page 3
Application Instructions	
Step 1: Surface Preparation and Evaluation	Page 4
Step 2: Sealing Joints and Penetrations	Page 5
Step 3: <i>Dow Corning</i> <sup>®</sup> DefendAir Primer	Page 10
Step 4: Installing <i>Dow Corning</i> <sup>®</sup> DefendAir 200	Page 10
Drying Time	Page 11
Quality Control	Page 11
Equipment Cleanup	Page 11
Disposal	Page 11
Adhesion Test Procedure	Page 12
Product Limitations	Page 12
Appendix I – Material Compatibility	Page 13
Appendix II – Referenced ASTM Standards	Page 13
Appendix III – Additional Application Details	Page 13
Health and Environmental Information	Page 14

## Contents

This document is intended to provide installation and field testing instructions for *Dow Corning® DefendAir 200*.

## Product Descriptions

### ***Dow Corning DefendAir 200***

*Dow Corning DefendAir 200* is a 100 percent silicone liquid-applied air and weather barrier designed to protect against air infiltration and water penetration. The vapor-permeable, one-component, water-based coating cures 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. It is a one-part, 100 percent water-based silicone elastomer that can be roller-, brush- or spray-applied.

The coating provides long-term protection from air and water infiltration, normal movement imposed by seasonal thermal contraction and expansion, and the elements. The coating maintains its air and water protection properties even when exposed to sunlight, rain, snow or temperature extremes.

### ***Dow Corning® Silicone Transition System***

*Dow Corning® Silicone Transition System (STS)* is a preformed silicone seal strip and molded pieces for flashing and transition applications for weatherproofing against air and water infiltration.

### ***Dow Corning® 791 Silicone Weatherproofing Sealant***

*Dow Corning® 791 Silicone Weatherproofing Sealant* is a one-part, medium-modulus, neutral-curing silicone sealant for general weathersealing applications. Available in a wide variety of colors.

### ***Dow Corning® 795 Silicone Building Sealant***

*Dow Corning® 795 Silicone Building Sealant* is a one-part, medium-modulus, neutral-curing silicone sealant for structural glazing and weathersealing. Available in a wide variety of colors.

### ***Dow Corning® 758 Silicone Weather Barrier Sealant***

*Dow Corning® 758 Silicone Weather Barrier Sealant* is a neutral, one-part silicone sealant designed for adhering to low-energy surfaces common in sheet or peel-and-stick weather-resistant barriers. Available in white.

## UV Exposure

Dow Corning DefendAir 200 does not have a limit on exposure time before being covered by the exterior cladding if applied in strict accordance with the requirements of this application guide. After the coating is installed on-site, any delays in the construction schedule that will allow the coating to be exposed longer than expected will not affect the performance of the material. Rainscreen applications where sections of the coating will remain exposed will not affect the performance of the material. When using in conjunction with Dow Corning® brand silicone sealants and transition materials, all components are approved for long-term UV exposure for at least 10 years.

## Availability

Dow Corning DefendAir 200 is a white coating. It should not be tinted prior to installation. Dow Corning DefendAir 200 is available in 5-gallon (19 L), 44 lb (20 kg) pails.

If a colored coating is desired, one 10-mil wet (5-mil dry) coat of Dow Corning® AllGuard Silicone Elastomeric Coating can be applied. Dow Corning AllGuard Silicone Elastomeric Coating and Dow Corning DefendAir 200 are compatible and will adhere to each other. Dow Corning DefendAir 200 should be installed to the required thickness and all quality control performed before any Dow Corning AllGuard Silicone Elastomeric Coating is applied.

**Table 1. Estimated application rates<sup>(1)</sup> (15-mil [0.38 mm] minimum dry-film thickness).**

Texture/Substrate	Estimated Rate	
	ft <sup>2</sup> /gal	m <sup>2</sup> /L
Smooth (brick, precast concrete)	45-55	1.1-1.3
Medium (sand, #3 vermiculite, stucco)	30-45	0.8-1.1
Coarse (aggregate, split face block, EIFS)	20-30	0.5-0.8

<sup>(1)</sup>Application rates vary tremendously with porosity and degree of texture of the substrate. These values are estimated and should be confirmed at the job site prior to bidding the project.

Dow Corning® DefendAir Primer may be required for some substrates. It is available in 5-gallon (19 L), 42 lb (19.1 kg) pails.

## Shelf Life

Dow Corning DefendAir 200 has a shelf life of six months from the date of manufacture.

## Compatibility with Dow Corning® brand Products

Dow Corning DefendAir 200 is compatible with the Dow Corning® products referenced in this section. Dow Corning DefendAir 200 can be applied over Dow Corning® sealants after they have been allowed to achieve tack-free cure, which ranges from approximately 30 to 60 minutes depending on the sealant and environmental conditions (see sealant data sheets for more specific tack-free times). These sealants can also be applied over Dow Corning DefendAir 200 after the coating has dried – approximately 24 hours.

When Dow Corning DefendAir 200 is used in conjunction with Dow Corning STS and these recommended sealants, building protection from air and water infiltration can be achieved. Products commonly used with Dow Corning DefendAir 200 are:

- Dow Corning 791 Silicone Weatherproofing Sealant
- Dow Corning 795 Silicone Building Sealant
- Dow Corning 758 Silicone Weather Barrier Sealant

Dow Corning DefendAir 200 is compatible with Dow Corning AllGuard Silicone Elastomeric Coating.

Please contact your local Dow Corning representative for information regarding the use of Dow Corning products not listed here.

## Application and Service Temperature and Humidity

Dow Corning DefendAir 200 can be applied at ambient air temperatures between 40°F (5°C) and 120°F (49°C). Do not apply the coating when the temperatures are forecasted to be below 40°F (5°C) within 24 hours after application or when the relative humidity is greater than 90 percent or when there is a threat of rain within 24 hours.

There is no lower-limit temperature specifically for the substrate, but the surface must remain dry and frost-free. Do not apply Dow Corning DefendAir 200 to surfaces above 120°F.

Dow Corning DefendAir 200 has a service temperature range of -15°F to 158°F (-26°C to 70°C).

## Chemical Resistance

Dow Corning DefendAir 200 has passed ASTM D543 (Alkalinity Resistance) in a solution of sodium carbonate with a pH of 12. The elongation and tensile properties of Dow Corning DefendAir 200 were minimally affected after being submerged in the solution for 28 days. High pH exposure will not affect the expected performance characteristics of the material. A 15-mil sample of the air and weather barrier passes ASTM D1970 (Fastener Sealability) after being submerged in the pH 12 solution for 28 days.

Dow Corning DefendAir 200 is not to be used on calcium-emitting substrates that have a pH of >7.

## Substrate Compatibility and Adhesion

Dow Corning DefendAir 200 has been tested according to ASTM D4541 for adhesion on the substrates in Table 2. Where primer is shown in the table, Dow Corning DefendAir Primer is recommended for suitable adhesion to the substrate. If results for surface preparation without primer are shown,

**Table 2. Substrate adhesion.**

Substrate	Adhesion Per ASTM D4541
OSB	Yes
Plywood	Dow Corning® DefendAir Primer required
DensGlass® Gold <sup>(2)</sup>	Yes
E2XP Sheathing	Yes
SecuRock	Yes
Permbase	Yes
Concrete – Small Aggregate	Yes
Concrete Masonry Unit	Yes
Stainless Steel	Yes
Galvanized	Yes

Dow Corning DefendAir Primer is not required but optionally may be used for more robust adhesion to that substrate.

There are numerous other substrates that will come into contact with the air and weather barrier. Please contact your local Dow Corning representative for information on substrates not listed here.

## Workmanship Considerations

It is important to protect adjacent surfaces and surroundings that are not to be coated with the air and weather barrier.

<sup>(2)</sup>ASTM E2357 was completed using DensGlass® Gold as a substrate without Dow Corning® DefendAir Primer.

## Application Instructions

### Step 1. Surface Preparation and Evaluation

All surfaces must be clean and free of excessive dirt, frost, dust, oil, grease, mold, fungus, efflorescence, laitance, peeling coating and any other foreign material. Green concrete must be allowed to cure 28 days before application of *Dow Corning* DefendAir 200 silicone liquid-applied air and weather barrier. Large amounts of dust and dirt should be removed from the substrate through a light dusting of the surface using either a brush or dry cloth. If other substances are found on the substrate, refer to Table 3 for recommendations to ensure proper cleaning and preparation of the substrate prior to coating.

When installing *Dow Corning* STS or another window transition system as part of the air and weather barrier system, follow the recommendations of the system manufacturer. For *Dow Corning* STS, clean the substrate where the sealant is to be installed using a solvent and two-cloth cleaning method. Refer to the Americas Technical Manual (Form No. 62-1112) for more information on general sealant installation recommendations.

*Note: All system tests such as ASTM E2357 were performed using Dow Corning sealants and Dow Corning STS and are recommended to ensure the published system performance.*

**Table 3. Substrate preparation.**

Surface Conditions	Detection Method	Removal Method
Efflorescence	Wipe with dark cloth	Wire brush; then clean with high-pressure water. On stubborn deposits, mix 1 part muriatic acid (or similar) to 12 parts water, then clean with high-pressure water.
Laitance	Scrape with putty knife, looking for powdery material	Scrape with steel scraping tool followed by high-pressure water cleaning.
Mildew	Visual	Scrub with 5 percent bleach solution followed by high-pressure water cleaning.
Grease/oil	Visual; sprinkle water on surface	Trisodium phosphate (TSP) solution in hot water and high-pressure water cleaning.
Form release, curing or surface-hardening compounds	Visual; sprinkle water on surface	Must be removed by mechanical abrasion or abrasive water cleaning.

## Step 2. Sealing Joints and Penetrations

### Substrate joints, defects and holes

All joints between substrates (such as those found in exterior grade gypsum or plywood sheets) should be sealed using a *Dow Corning* sealant such as *Dow Corning* 791 Silicone Weatherproofing Sealant. The sealant should be tooled flush to the surface. No bond breaker is required for these joints provided they are static joints (Figure 1). Any unused nail holes must be sealed using a sealant such as *Dow Corning* 791 Silicone Weatherproofing Sealant and struck flush to the surface of the substrate prior to the installation of *Dow Corning* DefendAir 200. Screw and nail heads that remain in the substrate do not need to be sealed separately prior to the installation of the air and weather barrier. As a general rule, cracks less than 1/16 inch (1.6 mm) can be bridged with *Dow Corning* DefendAir 200 and do not need to be sealed separately.

Defects in the substrate can be repaired flush to the surface using the same sealant (Figure 2) or a patching material recommended by the substrate manufacturer. Cementitious patches should be allowed to cure for a minimum of 10 days prior to installing the coating.

Changes in the substrate (Figure 3) and control joints (Figure 4) should be sealed as a traditional weatherseal joint. There are five basic steps for proper joint preparation and sealant application:

1. **Clean** – Joint surfaces must be clean, dry, dust-free and frost-free.
2. **Prime** – If required, primer is applied to the clean surface(s).
3. **Pack** – Backer rod or bond breaker is applied.
4. **Seal** – Sealant such as *Dow Corning* 791 Silicone Weatherproofing Sealant is applied into the joint cavity.
5. **Tool** – Dry-tooling techniques are used to create a flush joint and to make certain the sealant has the proper configuration and fully contacts the joint walls.

Wall offsets or changes in plane can be sealed using a fillet bead of sealant (Figure 5). Bond breaker material does not need to be used unless greater than 15 percent movement is expected in the joint.

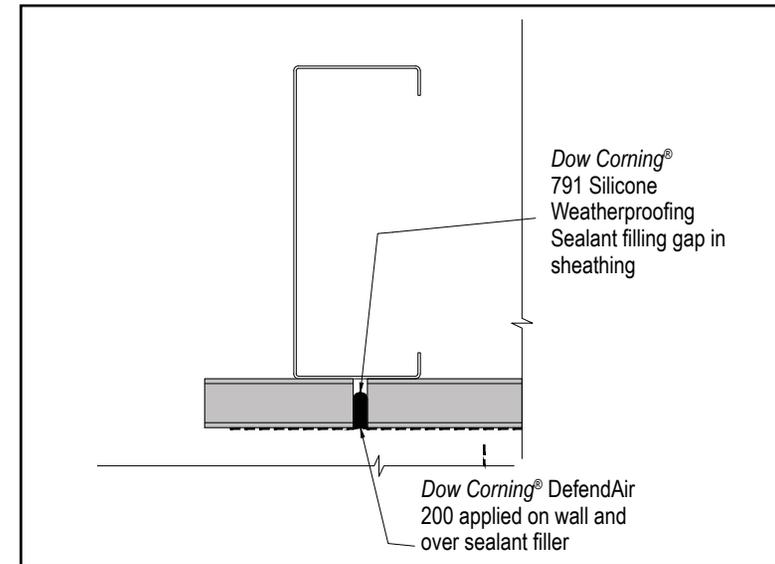


Figure 1. Gap in sheathing.

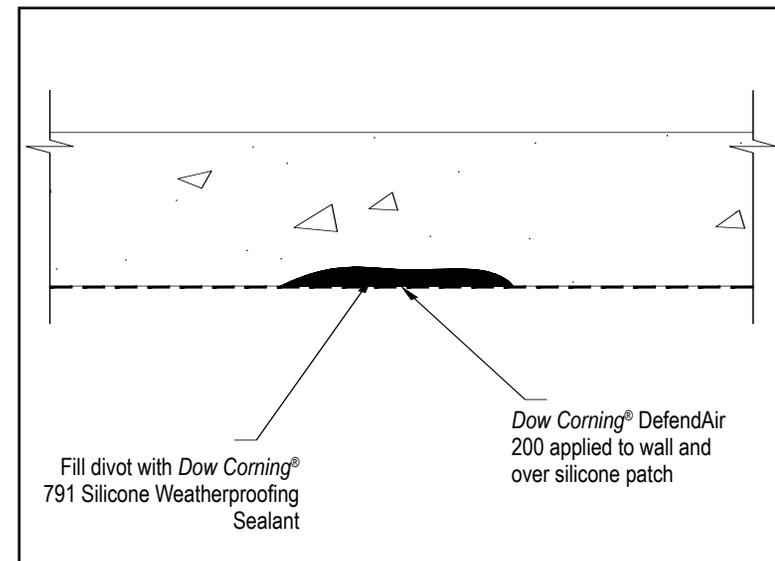


Figure 2. Divot in concrete wall detail.

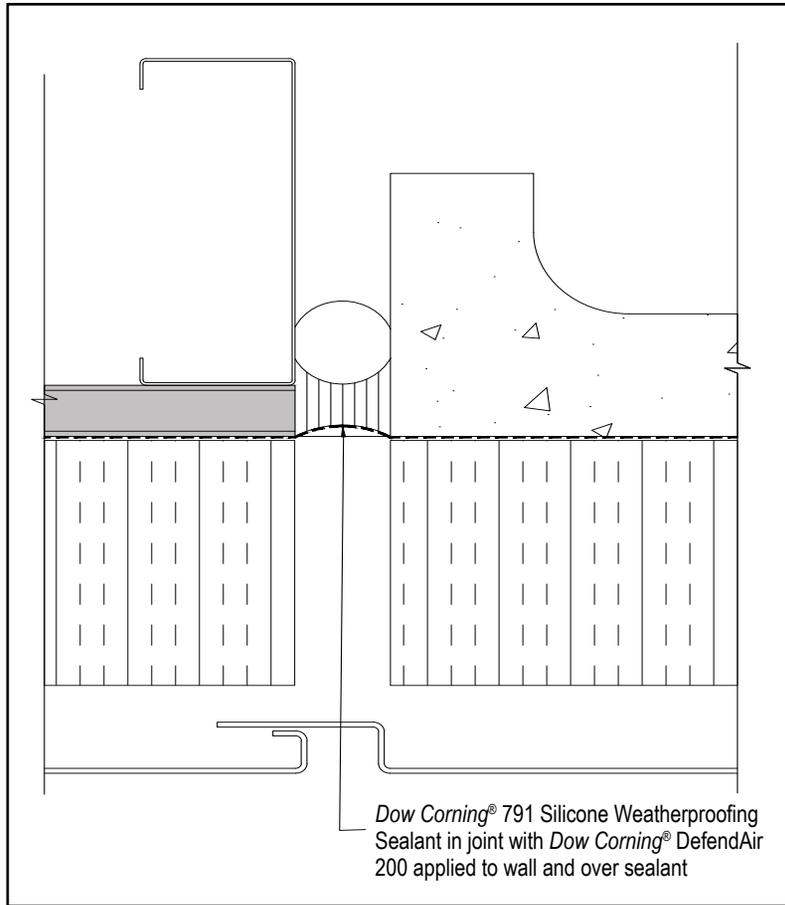


Figure 3. Change in substrate detail.

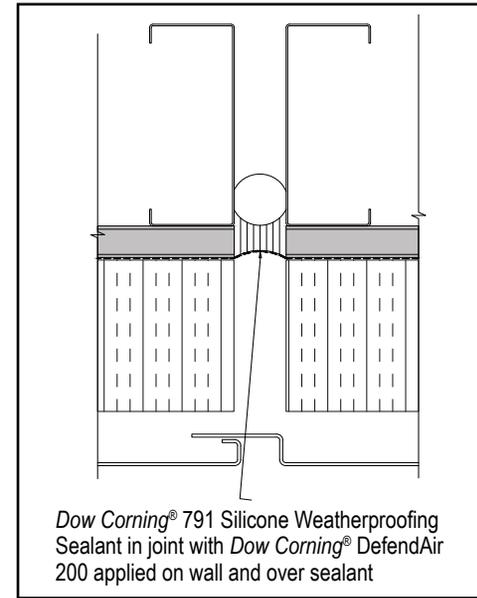


Figure 4. Control joint detail.

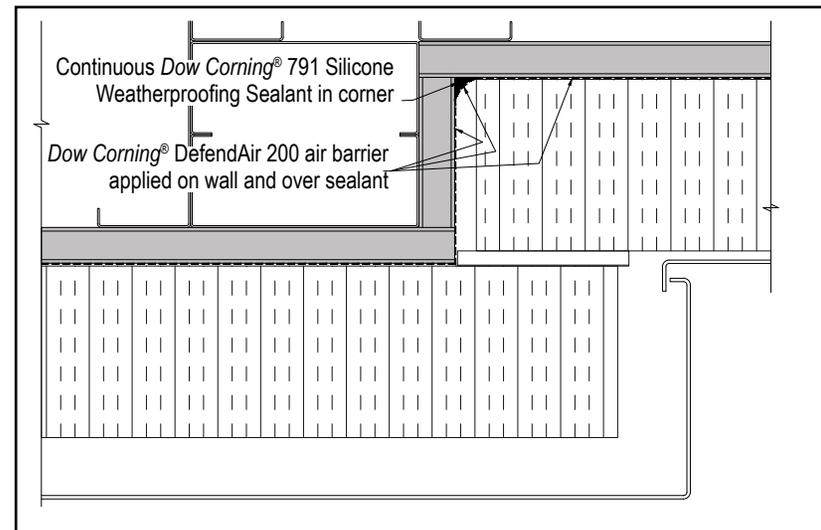


Figure 5. Wall offset detail.

**Penetrations**

Gaps around penetrations should be sealed in a similar manner using a sealant such as *Dow Corning 791 Silicone Weatherproofing Sealant*. To reduce the amount of sealant used, a backer rod can be inserted into gaps greater than ¼ inch (6.3 mm) and sealed as if it were a traditional sealant joint (Figure 6).

When penetrations are made through *Dow Corning DefendAir 200* after installation, best practice is to seal around all penetrations and the tops of all screw heads with cap beads. If fasteners miss the stud during installation, it is better to leave those fasteners in place and seal with a cap bead than to remove them.

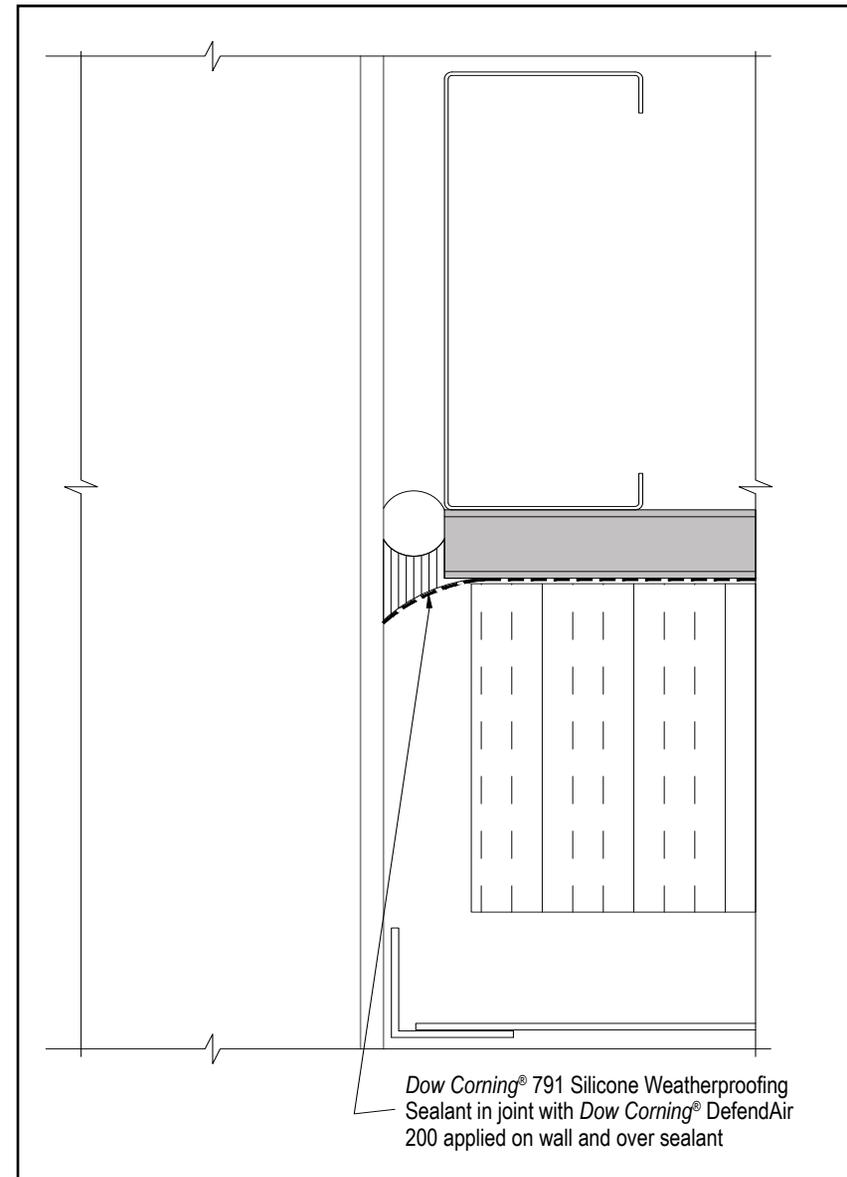


Figure 6. Wall penetration detail.

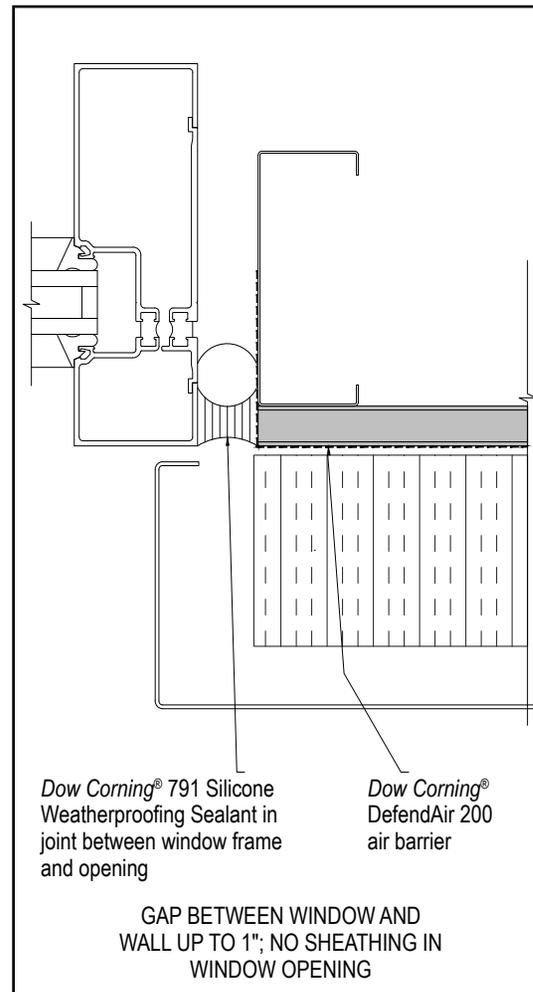
**Window openings**

Windowsills must be flashed with an approved through-wall flashing material. *Dow Corning* 791 Silicone Weatherproofing Sealant can be trowel-applied in a 25-mil (0.63 mm) wet-film thickness for this application. The sealant should be applied on the entire sill and 8 to 12 inches (203.2 to 304.8 mm) up both vertical jambs. The sealant should be applied around the front corner of the sill and jambs, covering a 3- to 4-inch (76.2 to 101.6 mm) perimeter on the face of the sheathing. *Dow Corning* DefendAir 200 should overlap all the *Dow Corning* 791 Silicone Weatherproofing Sealant by at least 1 inch (25.4 mm).

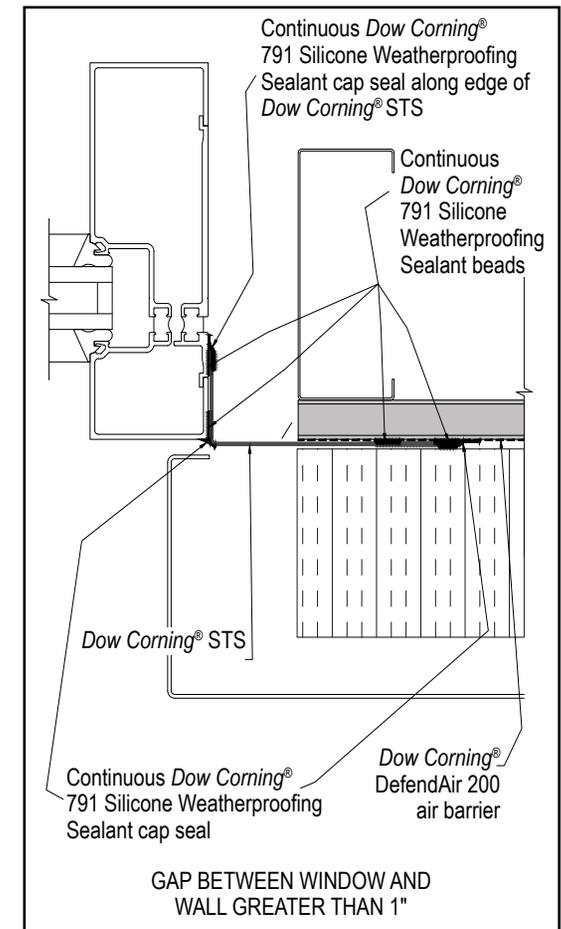
*Dow Corning* DefendAir 200 should be used to flash the remainder of the jambs and the head of all openings. An extra 15-mil (0.38 mm) wet film coat of *Dow Corning* DefendAir 200 is recommended to accommodate the extra absorption of the coating in these areas. When the distance between materials in the window opening (i.e., the distance between the sheathing and the window framing) is greater than 1/8 inch (3.175 mm), a bead of sealant can be used to bridge the gap.

The sealing of window openings can be completed with a liquid-applied sealant (Figure 7) or *Dow Corning* STS (Figure 8). This step can be completed before or after *Dow Corning* DefendAir 200 is installed. When *Dow Corning* STS is installed after the air and weather barrier, *Dow Corning* DefendAir 200 should be allowed to dry for a minimum of 24 hours before the *Dow Corning* STS is installed. A primer is not required when one of the recommended sealants is used to adhere *Dow Corning* STS to *Dow Corning* DefendAir 200.

**When installing *Dow Corning* STS before *Dow Corning* DefendAir 200, it is important to seal the absolute edge of the *Dow Corning* STS as shown in these details.** A second line of sealant, a lap seal, may be required at the immediate edge of the *Dow Corning* STS after it has been installed. This additional step will ensure that no area of the substrate is left exposed once the air and weather barrier is installed.



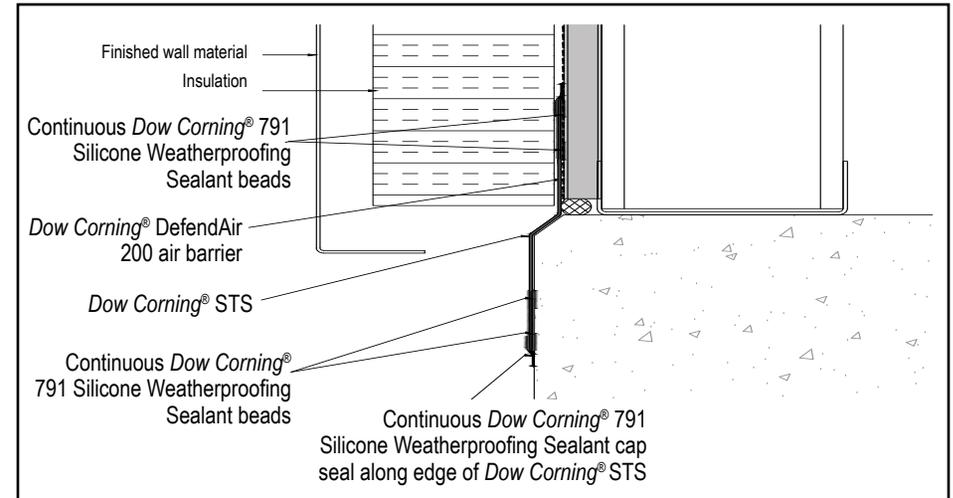
**Figure 7. Window jamb with sealant detail.**



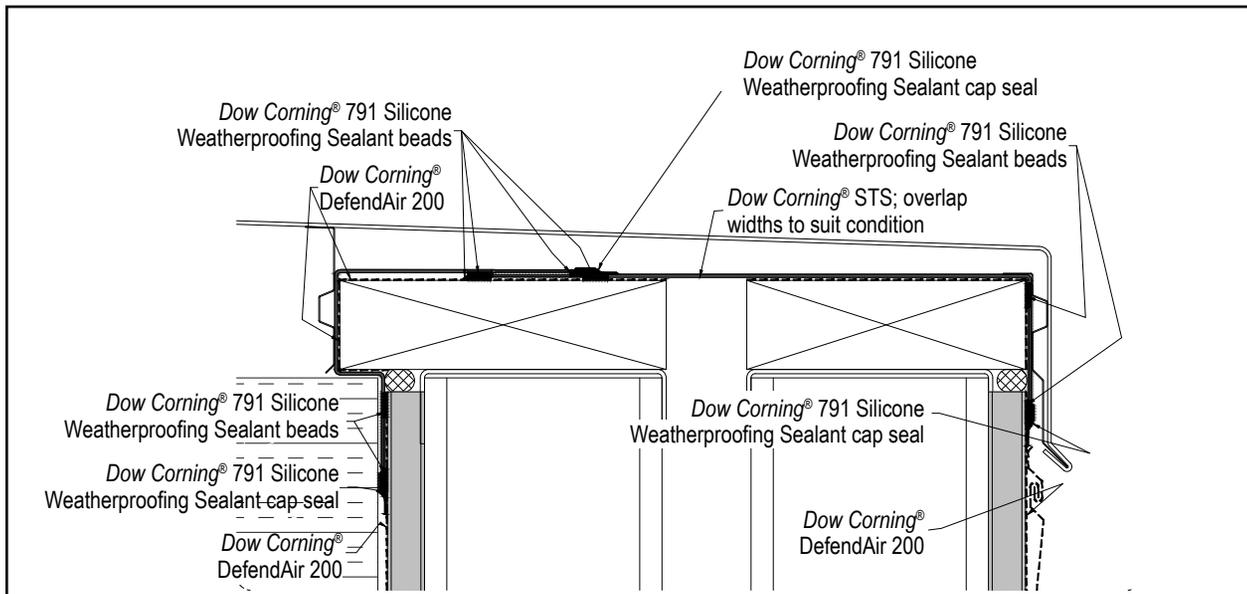
**Figure 8. Window jamb with *Dow Corning*® Silicone Transition System detail.**

**Foundation and roof transitions**

Foundation and roof transitions are best sealed using *Dow Corning* STS. When installing *Dow Corning* STS, it is important to choose a sealant that adheres well to the substrate(s). In the case of most roofing and foundation membranes, the recommended sealant is *Dow Corning* 758 Silicone Weather Barrier Sealant. See Figures 9 and 10.



**Figure 9. Stud wall to foundation wall detail.**



**Figure 10. Dow Corning® Silicone Transition System under cap.**

### Step 3. Dow Corning® DefendAir Primer

*Dow Corning* DefendAir 200 does not require a primer on most substrates. The most common substrate to require a primer is plywood. Refer to Table 2 for primer recommendations for other popular substrates. For uncommon materials or substrates that may have been contaminated by other materials, it is recommended to perform an adhesion test to determine whether a primer is required. The procedure for this test can be found in the “Adhesion Test Procedure” section of this guide (page 12).

When required, *Dow Corning* DefendAir Primer is applied in one coat with either a ½- to ¾-inch (13 to 19 mm) nap roller or an airless sprayer. The primer should only be installed when temperatures are above 40°F (4°C) and when there is no chance of rain within 12 hours.

Apply the primer to the prepared wall surface at a rate of approximately 300 square feet per gallon (7.4 square meters per liter). Allow the primer to dry to the touch (30 minutes to two hours) before applying *Dow Corning* DefendAir 200. A new roller should be used when installing the air and weather barrier.

### Step 4. Installing Dow Corning DefendAir 200

*Dow Corning* DefendAir 200 must be applied to a minimum total 15-mil (0.38 mm) dry-film thickness to attain airtightness and watertightness and to qualify for a project-specific warranty. *Dow Corning* DefendAir 200 can be applied using a brush, roller (hand or power) or airless sprayer.

Apply a thin coat of material around all penetrations and openings prior to the installation on the entire surface. This will help ensure complete coverage of these details. *Do not thin or cut back Dow Corning DefendAir 200.*

#### Hand roller application

Apply *Dow Corning* DefendAir 200 using a ¾- to 1½-inch (19 to 38 mm) nap, polyester or 50/50 polyester/wool blend roller cover. The coating should be applied in two 15- to 18-mil (0.38 to 0.46 mm) wet-thickness coats. Typically, two 15- to 18-mil (0.38 to 0.46 mm) wet coats will result in the required 15-mil dry-coating thickness; however, an additional coat may be required due

to surface texture or porosity. If it is found that an additional coat is necessary to achieve 15-mil DFT, it may be possible to utilize *Dow Corning* DefendAir Primer before applying *Dow Corning* DefendAir 200 to reduce the amount of *Dow Corning* DefendAir 200 absorbed by the substrate. This may decrease the need for extra coats of *Dow Corning* DefendAir 200.

Allow the coating to dry to the touch (typically two to four hours) before applying the next coat.

#### Power roller application

Apply *Dow Corning* DefendAir 200 using a ½- to 1½-inch (28.5 to 38 mm) nap, polyester or 50/50 polyester/wool blend roller cover. The coating should be applied in two 15- to 18-mil (0.38 to 0.46 mm) wet-thickness coats. Typically, two 15- to 18-mil (0.38 to 0.46 mm) wet coats will result in the required 15-mil dry-coating thickness; however, thicker coats may be required due to surface texture or porosity. Up to 25-mil (0.63 mm) wet-thickness coats can be applied using a power roller.

A low pressure is needed to pump the material to the roller head. Pull the application trigger often to apply more material to the roller. There is too much material when the roller slides instead of rolls.

Allow the coating to dry to the touch (typically two to four hours) before applying the next coat.

#### Spray application

*Dow Corning* DefendAir 200 can be installed on nonporous substrates, such as most exterior grade sheathings, in one 30-mil (0.76 mm) wet coat using an airless sprayer. Two 18- to 20-mil (0.46 to 0.51 mm) wet coats may be required to achieve the required thickness on porous substrates. There is no maximum thickness for installing the material, but it will start to sag when approximately 60-mil (1.52 mm) wet-film thickness is achieved in one coat.

Refer to the equipment manual for your spray equipment for detailed information on tip size selection, tip wear and optimum pressure. A minimum 0.021-inch (0.53 mm) tip is recommended to spray *Dow Corning* DefendAir 200. The optimum tip sizes range from 0.025 inch to 0.031 inch (0.63 mm to 0.79 mm). The larger the tip size, the more pressure can be used to spray the material – and

the faster the application of the air and weather barrier. Ensure that your spray equipment is able to take the tip you wish to use before starting the application.

When spraying *Dow Corning* DefendAir 200, start with a low pressure and increase the pressure until a uniform pattern is sprayed. Increase the size of the tip if more material is desired. As the tip wears, the pressure on the sprayer will need to be increased to maintain an even application of material. If the air and weather barrier has pinholing or fisheyes, reduce the pressure of the sprayer and/or move the sprayer farther away from the substrate.

A respirator is not required when spraying *Dow Corning* DefendAir 200.

## Drying Time

After the final coat has been applied, the average drying time of *Dow Corning* DefendAir 200 is four to 12 hours, depending on coat thickness, temperature, humidity and wind conditions. When drying time is a concern due to the possibility of rain, install the air and weather barrier in two 15-mil (0.38 mm) wet-film coats instead of one 30-mil (0.76 mm) coat. *Dow Corning* DefendAir 200 will attain full adhesion and physical properties in seven to 14 days.

## Quality Control

Wet-film thickness can be measured using a wet mil gauge. When measuring the thickness of *Dow Corning* DefendAir 200 that has been installed on porous substrates, wait five minutes before measuring the coating thickness. This measures the amount of material that remains on the surface of the substrate, not the material that has been absorbed. A full 15-mil (0.38 mm) dry thickness must remain on the surface of the substrate.

After *Dow Corning* DefendAir 200 has been installed and allowed to dry, the white color of the coating allows joints and defects in the substrate that were not sealed before or during the application of the air and weather barrier to become visible. These unsealed areas can be sealed using a traditional sealant or by touching up with *Dow Corning* DefendAir 200 after the coating has tack-free cure (12 to 24 hours).

## Equipment Cleanup

*Dow Corning* DefendAir 200 is a water-based material. Any equipment that is used to install the air and weather barrier can be cleaned using water; no solvents are required. Spray equipment can be cleaned by running water through the sprayer. It is recommended to do this at the completion of work every day.

## Disposal

See the Material Safety Data Sheet (MSDS) for disposal information.

## Adhesion Test Procedure

For uncommon materials or substrates that may have been contaminated by other materials, it is recommended to perform an adhesion test to determine whether a primer is required.

1. Prepare surfaces as described in the section on Surface Preparation and Evaluation (page 4).
2. Use of a primer is optional, but testing is required to ensure sufficient adhesion in primerless applications. If primer is used, apply per the application method and allow it to dry.
3. Apply the first coat of *Dow Corning* DefendAir 200 at a rate of 15-mil (0.38 mm) wet-film thickness. Embed a cheesecloth strip (1 x 12 inch [25 x 305 mm]) in the wet coating with a paintbrush.
4. Apply the second coat over the cheesecloth at the same 15-mil (0.38 mm) wet-film thickness and allow to fully dry for seven to 14 days. This is an adhesion test only; additional coats may be required to achieve thickness requirements.
5. Test adhesion of the coating by pulling the uncoated part of the cheese cloth at a 180° angle at a slow, steady rate.
6. Inspect and note the percent cohesive failure (percent of coating material left on the wall surface). At least 80 percent of the coating should remain on the substrate.
7. If 80 percent retention is not achieved, the test should be repeated using *Dow Corning* DefendAir Primer. If necessary, contact Dow Corning Technical Service for further instruction.

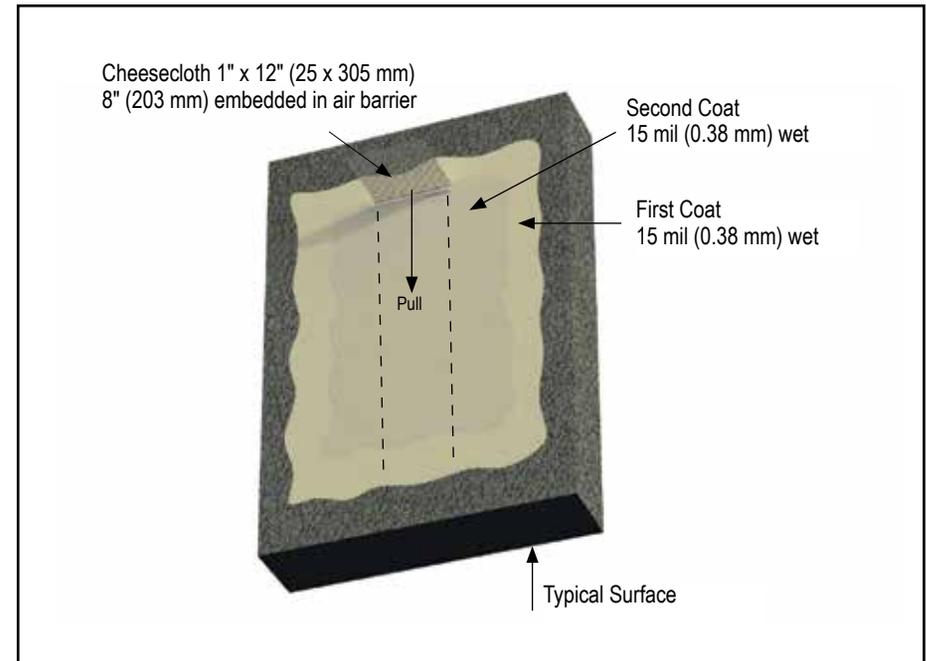


Figure 11. Adhesion test procedure diagram.

## Product Limitations

*Dow Corning* DefendAir 200 is not designed for use on horizontal surfaces or in below-grade applications.

*Dow Corning* DefendAir 200 should not be installed on newly applied or green cementitious materials; industry guidelines recommend at least 28 days of cure before painting or coating the substrates (see SSPC 2010 Painting Manual, Chapter 3.1 – Concrete Surface Preparation).

*Dow Corning* DefendAir 200 does not adhere to high-density polyethylene-backed materials. When using these materials in conjunction with *Dow Corning* DefendAir 200, please contact Dow Corning for assistance in creating this detail.

## Appendix I – Material Compatibility

Dow Corning DefendAir 200 has been tested with numerous materials offered by other manufacturers in the industry. For information on compatibility with the materials provided by other manufacturers, please contact your local Dow Corning representative. Project-specific testing typically is recommended.

## Appendix II – Referenced ASTM Standards

ASTM E2178 Standard Test Method for Air Permeance of Building Materials

ASTM E2357 Standard Test Method for Determining Air Leakage of Air Barrier Assemblies

ASTM D1970 Standard Specification for Self-Adhering Polymer Modified Bituminous Sheet Materials Used as Steep Roofing Underlayment for Ice Dam Protection (Used for Nail Sealability)

ASTM D543 Standard Practices for Evaluating the Resistance of Plastics to Chemical Reagents

ASTM D4541 Standard Test Method for Pull-Off Strength of Coatings Using Portable Adhesion Testers

## Appendix III – Additional Application Details

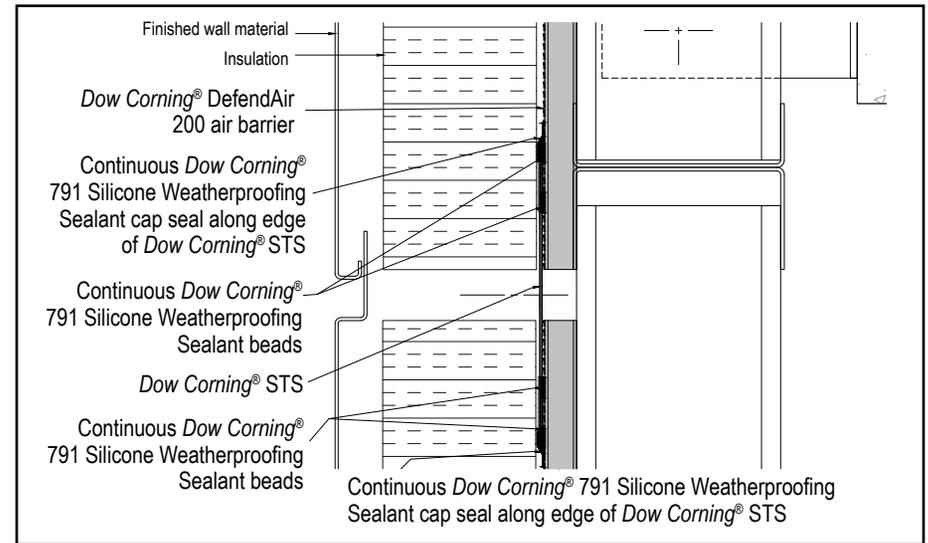


Figure 12. Deflection joint at intermediate floor slab; wall passes in front of slab.

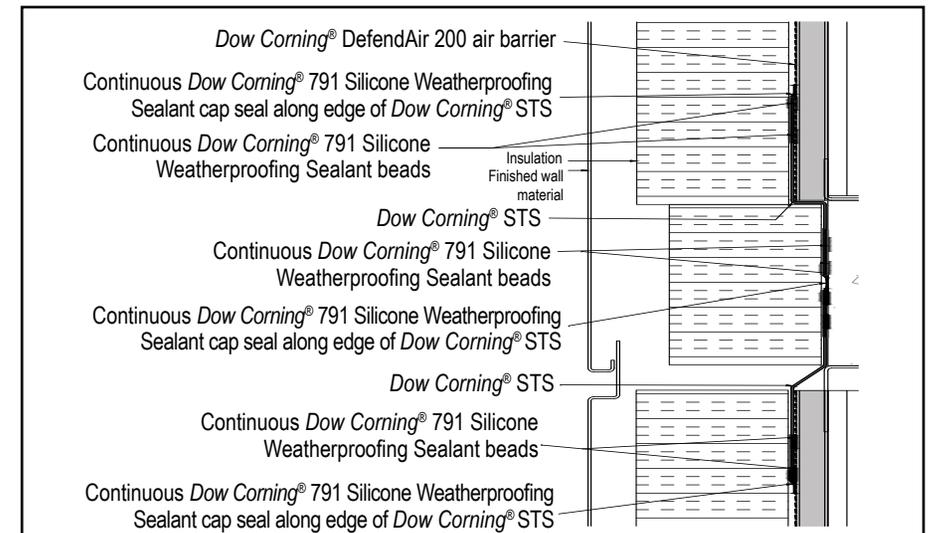


Figure 13. Deflection joint at intermediate floor slab; slab interrupts wall.

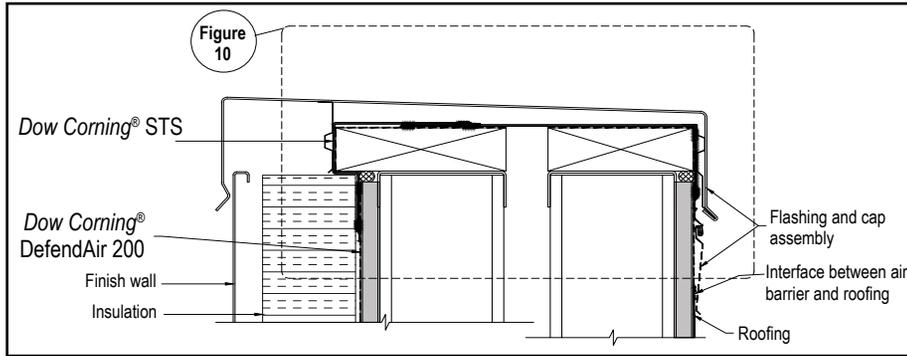


Figure 14. Parapet wall cap detail.

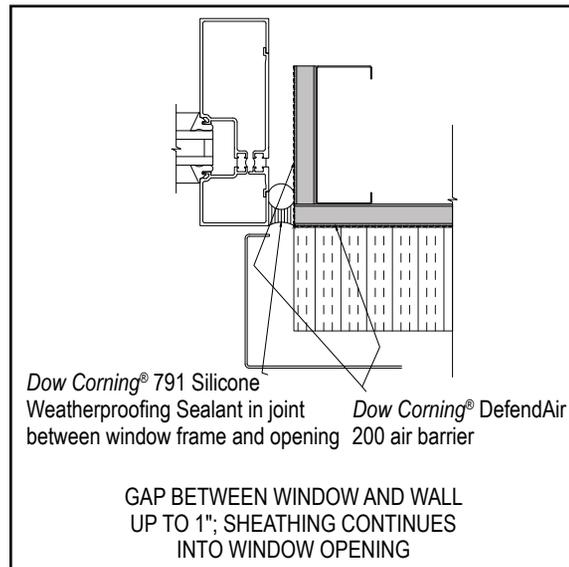


Figure 15. Window jamb condition.

## Health and Environmental Information

To support customers in their product safety needs, Dow Corning has an extensive Product Stewardship organization and a team of Product Safety and Regulatory Compliance (PS&RC) specialists available in each area.

For further information, please see our website, [dowcorning.com](http://dowcorning.com), or consult your local Dow Corning representative.

Images: Cover: AV20384, AV19800

### HANDLING PRECAUTIONS

PRODUCT SAFETY INFORMATION REQUIRED FOR SAFE USE IS NOT INCLUDED IN THIS DOCUMENT. BEFORE HANDLING, READ PRODUCT AND MATERIAL SAFETY DATA SHEETS AND CONTAINER LABELS FOR SAFE USE, PHYSICAL AND HEALTH HAZARD INFORMATION. THE MATERIAL SAFETY DATA SHEET IS AVAILABLE ON THE DOW CORNING WEBSITE AT [DOWCORNING.COM](http://DOWCORNING.COM), OR FROM YOUR DOW CORNING SALES APPLICATION ENGINEER, OR DISTRIBUTOR, OR BY CALLING DOW CORNING CUSTOMER SERVICE.

### LIMITED WARRANTY INFORMATION – PLEASE READ CAREFULLY

The information contained herein is offered in good faith and is believed to be accurate. However, because conditions and methods of use of our products are beyond our control, this information should not be used in substitution for customer's tests to ensure that our products are safe, effective and fully satisfactory for the intended end use. Suggestions of use shall not be taken as inducements to infringe any patent.

Dow Corning's sole warranty is that our products will meet the sales specifications in effect at the time of shipment.

Your exclusive remedy for breach of such warranty is limited to refund of purchase price or replacement of any product shown to be other than as warranted.

**DOW CORNING SPECIFICALLY DISCLAIMS ANY OTHER EXPRESS OR IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE OR MERCHANTABILITY.**

**DOW CORNING DISCLAIMS LIABILITY FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES.**

Dow Corning offers a project-specific 10-Year Limited Air Barrier Warranty when *Dow Corning®* DefendAir 200 is applied in accordance with Dow Corning's published application guidelines. Contact your local Dow Corning representative for details or to apply for a project-specific warranty.

Dow Corning's warranty is subject to certain restrictions and does not cover faults attributable to workmanship or the appearance of the coating.

NOTE: No warranty is available when *Dow Corning®* DefendAir 200 is used on a single-family residential dwelling.

*Dow Corning* is a registered trademark of Dow Corning Corporation.

*We help you invent the future* is a trademark of Dow Corning Corporation.

*Build a Better Barrier* is a trademark of Dow Corning Corporation.

All other trademarks or trade names are the property of their respective owners.

©2013 Dow Corning Corporation. All rights reserved.

Printed in USA

AGP12953

Form No. 62-1723-01