

DuPont™ DuraGard™ CM Transition Flashing

Installation Instructions

PRODUCT OVERVIEW

Description

DuPont™ DuraGard™ CM Transition Flashing is a multipurpose, self-adhered flashing that utilizes a modified butyl adhesive to achieve primerless adhesion to most substrates. It is a flashing that can be used in multiple applications: as a through-wall flashing, wall to roof transitions and transitions to below-grade systems. It can also be used to treat rough openings in Thermax™ Wall System. It is best when applied at temperatures above 25°F (-4°C).

Sizes

DuraGard™ CM Flashing is 45 mils thick and is available in 75 ft. rolls in 18", 24" and 36" widths with a siliconized polyester film release liner.

REQUIRED MATERIALS

Required Materials based on Project Requirements, Details and Specifications

- J-Roller
- DuPont™ LiquidArmor™ Flashing & Sealant or DuPont™ Tyvek® Flashing & Joint Compound+
- Approved Primer (if required)
- Trowel

Note

These installation instructions outline recommended installation techniques and details for DuraGard™ CM Flashing and, where applicable, other DuPont products. DuPont™ Thermax™ Wall System and DuPont™ Ultra Wall System meet or exceed the requirements of a water-resistive barrier as defined in the 2018 International Building Code (IBC). When used in conjunction with the products listed, DuraGard™ CM Flashing will function as part of a high-performance air barrier and pass ASTM E2357 and ASTM E331. For details specific to Thermax™ Wall System and Ultra Wall System visit www.dupont.com/building/cad-technical-drawings.html

INSTALLATION INSTRUCTIONS

Safety and Conditions of Use

- Before you begin applying DuraGard™ CM Flashing, prepare the jobsite.
- As with any construction site, follow basic safety practices, reading and following all equipment and SDS instructions.
- Protective gloves must be worn. Always wear safety glasses with side shields.
- DuraGard™ CM Flashing performs best when installed at temperatures above 25°F (-4°C).
- DuraGard™ CM Flashing should stay within the service temperatures of -30- 200°F (-30- 93°C) with intermittent exposure up to 250°F (121°C).
- DuraGard™ CM Flashing can be left exposed for a maximum 6 months prior to installation of exterior cladding.

Surface Preparation

Check and Prepare all Installation Surfaces

- DuraGard™ CM Flashing must be installed at application temperatures 25-90°F on clean, dry surfaces that are free of frost.
- Wipe surfaces to remove moisture, dirt, grease and other debris that could interfere with adhesion.
- All masonry surfaces must be reasonably smooth including no sharp protrusions, voids, or recessed joints in accordance with accepted trade practices.

INSTALLATION INSTRUCTIONS (CONT.)

Surface Preparation (cont.)

- Concrete must cure for a minimum of 7 days before applying DuPont™ DuraGard™ CM Transition Flashing.
- Cold temperatures may require use of a primer to promote adhesion of DuraGard™ CM Flashing to some common building materials. DuraGard™ CM Flashing has primer-less adhesion to the following substrates at applications down to 25°F (-4°C).

DuPont™ Thermax™ Sheathing	Exterior Gypsum
DuPont™ Thermax™ ci	Plywood
DuPont™ Thermax™ XARMOR (ci)	Vinyl
DuPont™ Styrofoam™ Brand Ultra	Anodized aluminum
DuPont™ Styrofoam™ Brand XPS Insulation	CMU
DuPont™ LiquidArmor™ CM Flashing and Sealant	Cement mortar
DuPont™ LiquidArmor™ QS Flashing and Sealant	Galvanized Steel

- Primer is required to adhere to the following substrates:

DuPont™ LiquidArmor™ LT Flashing & Sealant	OSB (Primer only required at temps below 40°F (4°C))
DuPont™ Tyvek® Fluid Applied Flashing & Joint Compound +	FR Treated Plywood (Primer only required at temps below 40°F (4°C))

- Re-prime surfaces if primed area is left exposed >24 hours.
- Approved Primer: 3M™ Hi-Strength 90 Spray Adhesive

Application

Cut DuraGard™ CM Transition Flashing to the desired length. Remove the polyethylene release liner from the top portion of the flashing. Align the flashing to the substrate and apply positive pressure to the area free from release liner. Proceed to remove the release liner from the remainder of the flashing while firmly applying pressure onto the flashing and the substrate.

Apply pressure along the entire surface using firm hand pressure. Use a J-roller or alternate tool without sharp edges (such as a plastic carpet tuck tool) to assist with the application of uniform pressure during the installation of DuraGard™ CM Flashing.

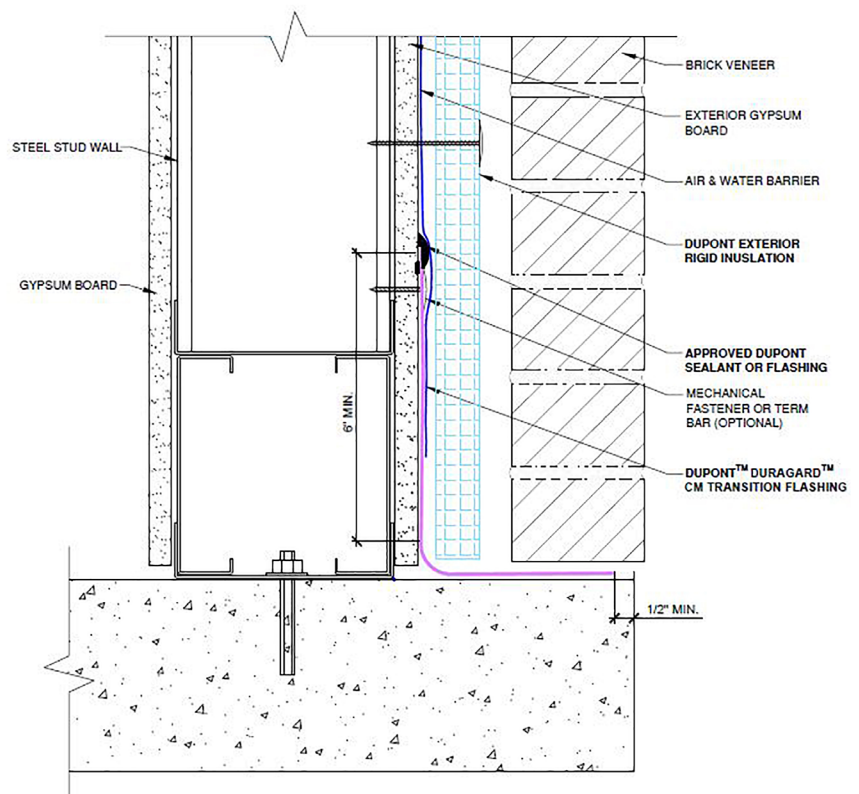
Remove all wrinkles and bubbles by smoothing surface and repositioning as necessary. Due to its tenacious adhesion, repositioning can be difficult, especially after applying pressure to the flashing. If wrinkles or fish-mouths cannot be smoothed out at the edge of the flashing, cut through the fish-mouth and press down the flashing. Seal the overlap at edges with approved liquid flashing or sealant. Fish-mouths within the bulk of the transition flashing can be cut through, pressed flat and covered with a patch made of DuraGard™ CM Flashing.

Approved Sealants & Flashings

- LiquidArmor™ CM Flashing and Sealant
- LiquidArmor™ LT Flashing and Sealant
- LiquidArmor™ QS Flashing and Sealant
- Tyvek® Flashing & Joint Compound+

Thru-wall Flashing

- Install DuraGard™ CM Flashing such that the flashing laps on to the assembly wall a minimum of 6".
- Overlap all joints by a minimum of 2".
- The top edge of the flashing should be sealed with DuPont™ LiquidArmor™ CM, LiquidArmor™ QS, LiquidArmor™ LT, or Tyvek® Flashing & Joint Compound+ to help prevent water from penetrating behind the flashing.
- A term bar, mechanical fasteners such as TruFast® Thermal Grip® ci Washer with a 2" diameter washer or equivalent can be used as additional security to the top edge of DuraGard™ CM Flashing in thru-wall applications.
- Keep DuraGard™ CM Flashing back from the outside face of the wall ½"-1".
- Ensure DuraGard™ CM Flashing will be continuously supported in all horizontal applications. The transition flashing should not span greater than ½".
- After installing DuraGard™ CM Flashing, install the air and water barrier (WRB), lap it over the transition flashing and terminate the WRB per manufacturer's instructions.

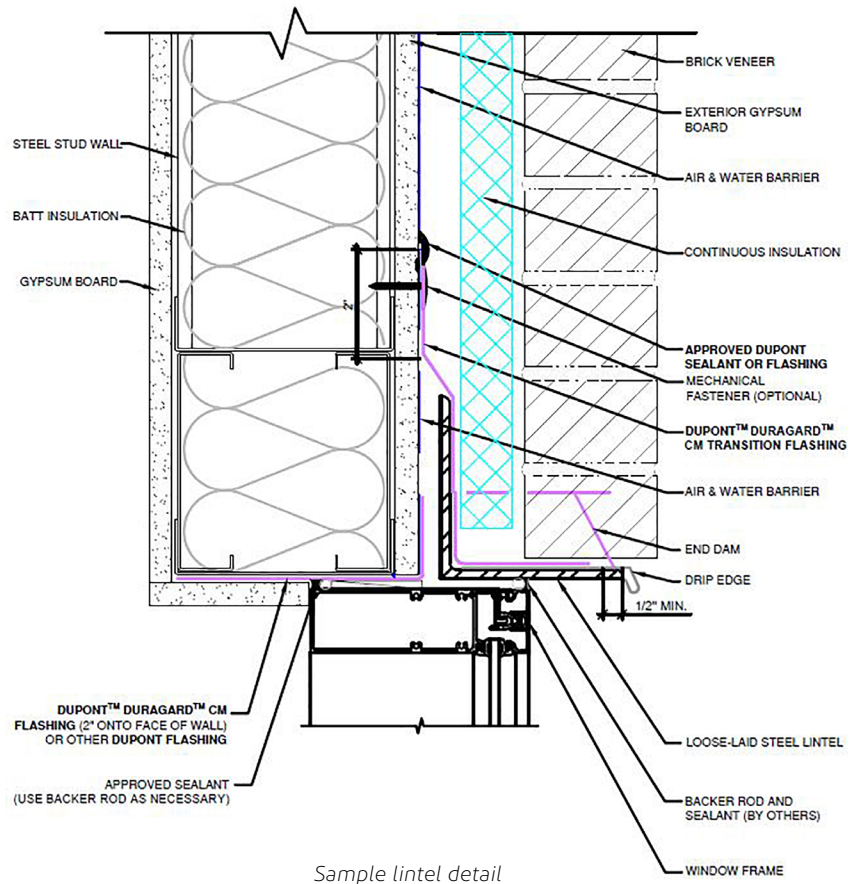


Sample thru-wall detail

INSTALLATION INSTRUCTIONS (CONT.)

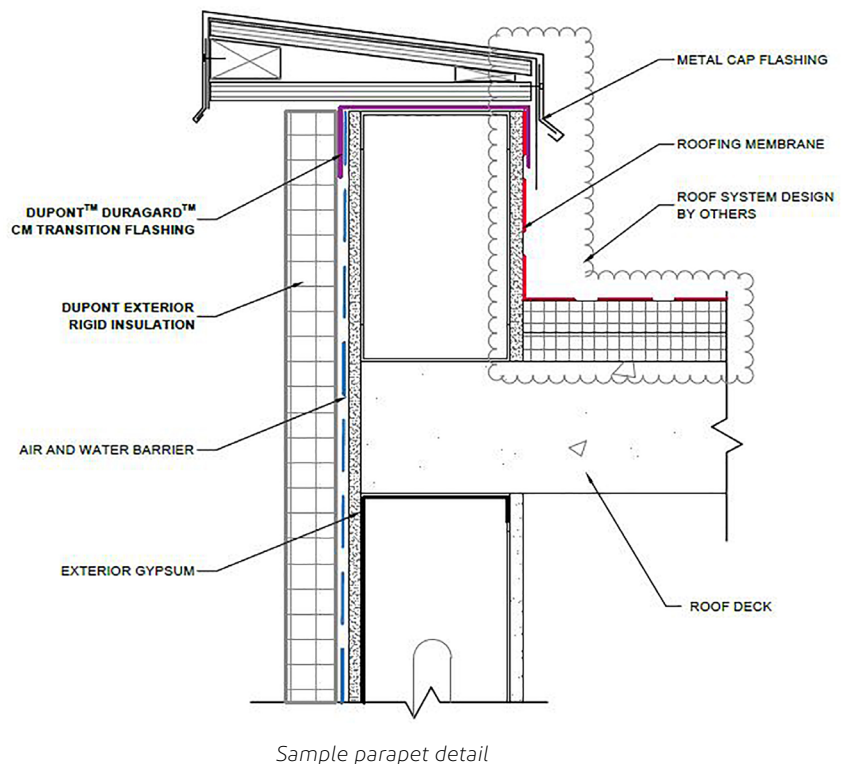
Shelf-angle and Lintel details

- Form end dams (if required) out of DuPont™ DuraGard™ CM Flashing. (The International Masonry Institute (IMI) has references for example detailing.) Install the end dams a minimum of 4" beyond the edge of the window opening. Seal all edges and seams using approved sealant or flashing.
- Install DuraGard™ CM Flashing adhering at least 2" onto the wall sheathing above the lintel or shelf angle.
- Keep DuraGard™ CM Flashing back from the outside face of the wall ½"-1". Metal drip edges are recommended for use with DuraGard™ CM Flashing.
- Overlap all joints by a minimum of 2".
- The top edge of the flashing should be sealed with DuPont™ LiquidArmor™ CM Flashing and Sealant, LiquidArmor™ QS Flashing and Sealant, LiquidArmor™ LT Flashing and Sealant, or Tyvek® Flashing & Joint Compound+ to help prevent water penetrating behind the flashing.



Parapet Applications

- DuraGard™ CM Flashing must be positively lapped with both the wall air-and-water barrier (WRB) and the roof membrane.
- When wrapping the top of the parapet, DuraGard™ CM Flashing should overlap onto both the roof membrane and the wall WRB by a minimum of 2".
- Overlap all joints by a minimum of 2".



INSTALLATION INSTRUCTIONS (CONT.)

Limitations

UV exposure must be limited to 180 days. Do not extend DuraGard™ CM Transition Flashing beyond the exterior face of the wall.

Storage

DuraGard™ CM Flashing has a shelf life of 2 years and should be stored at 40-90°F (4-32°C).



**For more information visit
building.dupont.com
or call 1-833-338-7668**

CAUTION: When cured, these products are combustible and will burn if exposed to open flame or sparks from high-energy sources. Do not expose to temperatures above 240°F (116°C). For more information call the DuPont Contact Center at 866-583-2583 or contact your local building inspector. For emergencies contact Chemtrec 800-424-9300, CCN (Contract Number) 7442. The blowing agent contained within this product can exhibit vapor flame limits under the right conditions. If specific operating conditions are such that concentrations of the blowing agent above the lower flammable limit can accumulate in areas with high relative humidity and in the presence of high-energy electrical discharges or other ignition sources, additional measures such as increased ventilation or coded electrical equipment (class one, division two) may be warranted. DO NOT SMOKE DURING USE. DO NOT USE NEAR ANY OPEN FLAME OR ELECTRICAL SOURCE. OUTDOOR USE ONLY. INDOOR USE INCREASES LIKELIHOOD OF IGNITABLE CONDITIONS. Read the label and (Material) Safety Data Sheet ((M)SDS) carefully before use. Wear gloves, and goggles or safety glasses. Provide adequate ventilation or wear proper respiratory protection. Contents under pressure. For outside use only.

Building and/or construction practices unrelated to insulation could greatly affect moisture and the potential for mold formation. No material supplier including DuPont can give assurance that mold will not develop in any specific system.

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