

GRACE VYCOR DECK PROTECTOR[®]

Self-Adhered Flashing

Contractor's Guide

DECKS AND DETAIL AREAS



Deck it right.[™]

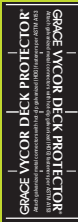
For longer lasting
decks, install Grace
Vycor Deck Protector.[®]

FROM THE MAKERS OF GRACE Ice & Water Shield[®]

What Self-Adhered Flashings Does Grace Offer?



There are three key products offered by Grace to meet your flashing needs.



Grace Vycor Deck Protector®

For Decks

- Available in 4 and 9 inch widths



Grace Vycor® Plus Flexible Flashing

For Windows and Doors

- Convenient 4, 6, 9 and 12 inch widths, 25 mil thick
- **RIPCORD®** – featured in 6, 9 and 12 inch widths Split Release on Demand, Grace's unique, patented technology, for ease of installation.
- Measurement markings at 6 and 12 inch
- Now ICBO approved (Report ER-6141)

Grace Vycor® V40 Self-Adhered Flashing

For Windows and Doors

- Available in convenient pre-cut sizes of 6, 9, 12, 18 and 36 inch
- 40 mil thick
- Now ICBO approved (Report ER-6141)

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NOTE: Deck Details are in Window Section pages 37-50

www.graceconstruction.com
www.graceathome.com

Why Use Grace Flashings on Decks



Water damage is one of the most common causes of building repairs. Not only are such repairs costly, but in many cases the damage is impossible to correct. Further, water intrusion in building structures creates a favorable environment for the development of other serious problems – such as mold, dry rot and wood decay. Proper water management is the first step in controlling mold, dry rot and decay.



Why Use Self-Adhered Flashing On Your Deck?

To prevent structural degradation of deck joists

The most common reason for deck replacement is wood decay and rotted deck framing. Water that accumulates under the decking boards cannot dry out easily. It can remain trapped for a long time, creating perfect conditions for rot and decay.

To reduce the corrosion of connectors/fasteners in contact with ACQ, CA-B and ACZA pressure-treated wood

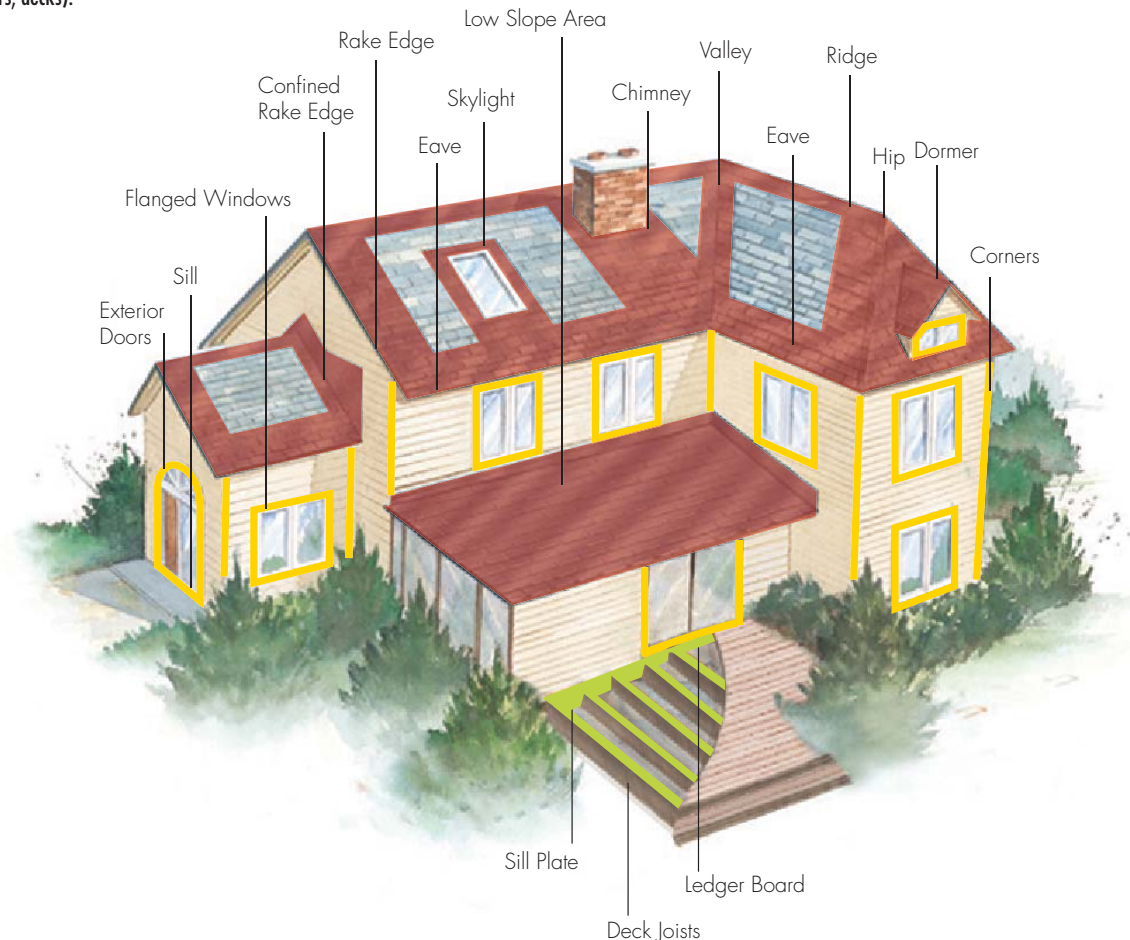
As of January 1, 2004, CCA (chromated copper arsenate) treated wood is no longer used in residential deck construction. CCA is being replaced by ACQ (alkaline copper quaternary), CA-B (copper azole), and ACZA (ammoniacal copper zinc arsenate). Due to their high copper content, all of these preservatives are found to be much more corrosive to metal connectors (such as joist hangers) and fasteners (nails and screws) than CCA. As a result, industry experts believe that ACQ, CA-B and ACZA would significantly shorten the useful life of decks.

At Grace Construction Products, the proprietary formulation of our self-adhered deck flashing material provides extra protection to connectors and fasteners.

CRITICAL FLASHING AREAS

All of the shaded areas below can benefit from the application of Grace Vycor Self-Adhered Flashings (beneath the finished siding and decking) and Grace Underlayments (like Grace Ice & Water Shield) for the roof. Consider Grace Vycor Self-Adhered Flashings for your critical non-roof flashing details (windows, doors, decks).

-  Grace Ice & Water Shield®
-  Grace Vycor® Plus
-  Grace Vycor Deck Protector®





Deck it right™

WHY GRACE VYCOR DECK PROTECTOR?

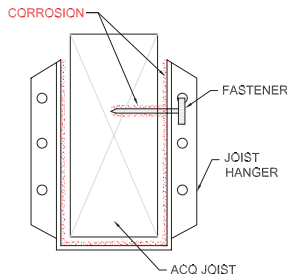
Grace Vycor Deck Protector is a self-adhered membrane, formulated and tested to solve the problems of joist rot and deck corrosion.

For Joist Rot Protection

Grace Vycor Deck Protector is designed to prevent joist rot and wood decay. By covering the tops of deck joists, it creates an excellent barrier against water and moisture penetration. The product represents a fast, effective and inexpensive way to significantly extend the useful life of decks.

For Corrosion Protection

Grace Vycor Deck Protector (patent pending) is a great solution to the corrosion problem. By installing Grace Vycor Deck Protector where the metal connectors/fasteners (such as joist hangers, nails and screws) come into contact with the pressure-treated wood (ACQ, CA-B and ACZA), the membrane creates a barrier between the copper (in the wood) and the zinc (in the metal). Grace Vycor Deck Protector represents a fast and inexpensive solution that significantly reduces corrosion rates of galvanized connectors to the historical levels of CCA wood. Grace Vycor Deck Protector extends the useful life of ACQ, CA-B and ACZA pressure-treated decks.



What Makes Grace Vycor Deck Protector Unique?

- Self-adhering membrane for fast, easy installation
- Prevents water infiltration at deck fasteners – seals around fasteners
- Skid-resistant coating for foot traffic during installation
- Compatible with all decking materials
- Fast and easy to install. Just peel off the release paper and adhere it to the joist
- Handy roll sizes
- Versatile – useful for other non-roof flashing details
- Has measurement markings on the membrane surface to simplify the application procedure

INSTALLATION FOR ROT PREVENTION

Note: Only Grace Vycor Deck Protector has an anti-skid coating. Do not use Grace Vycor Plus on deck joists.

In addition to the application instructions listed below, see Details VCRDET-200, 201, 300, 301, 302 and 303.

Ledger Board Installation Steps 1-4

1



Step One:
Locate the RIPCORD in Grace Vycor Deck Protector, splitting the release paper in half. Remove bottom half of paper only.



Pre-cut the appropriate length of Grace Vycor Deck Protector. Adhere and roll out onto face of ledger board(s).



Press into place.
Note: Do not remove the other half of the release paper.

2



Step Two:
Lay out joist hangers on ledger board and rim joist. Secure one side of the joist hanger leaving the other side slightly open to receive the joists.

3



Step Three:
Remove weather-resistant barrier from sill of door opening. Secure the ledger board to the house as required.



Remove top half of the release paper from membrane. Apply Grace Vycor Deck Protector to inside of door opening.



Integrate weather-resistant barrier with ledger board flashing to form water-shedding laps.

Flashing Application Instructions for Decks

INSTALLATION FOR ROT PREVENTION (continued)

Note: Only Grace Vycor Deck Protector has an anti-skid coating. Do not use Grace Vycor Plus on deck joists.

In addition to the application instructions listed below, see Details VCRDET-200, 201, 300, 301, 302 and 303.

4



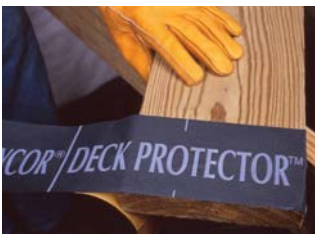
Step Four:
Apply another piece of pre-cut Grace Vycor flashing to door sill. Make relief cuts starting from corner of door sill. Make sure flashing is installed underneath weather-resistive barrier.



Roll firmly into sill opening. Complete the deck frame as designed.

Joist Installation Steps 5-7

5



Step Five:
Cut joists to required lengths. Wrap ends of joists with Grace Vycor Deck Protector.
Note: If joist is ACQ, CA-B or ACZA pressure-treated wood, ends of joists must be wrapped with Grace Vycor Deck Protector.



Install the wrapped joists into hangers and fasten as required according to manufacturer's specifications.

6



Step Six:
For top of joists, pre-cut Grace Vycor Deck Protector to the required lengths using the appropriate 6 and 12 inch markings.



Overlap Grace Vycor Deck Protector onto ledger board flashing and rim joists.



Peel back the release paper.



Roll firmly into place.
Note: Tops of joists must be covered with Grace Vycor Deck Protector independently of type of wood used (pressure-treated or not).

Flashing Application Instructions for Decks

INSTALLATION FOR ROT PREVENTION (continued)

Note: Only Grace Vycor Deck Protector has an anti-skid coating. Do not use Grace Vycor Plus on deck joists.

In addition to the application instructions listed below, see Details VCRDET-200, 201, 300, 301, 302 and 303.

7



Step Seven:

Cut the membrane at every joist inside corner and adhere onto joist-end flashing.

Note: For outside exterior joists ONLY, either line up the membrane at the edge OR trim/terminate membrane flush to the exposed fascia board.



Complete the deck.

INSTALLATION FOR CORROSION PREVENTION

Note: Only Grace Vycor Deck Protector has an anti-skid coating. Do not use Grace Vycor Plus on deck joists.

In addition to the application instructions listed below, see Details VCRDET-200, 201, 300, 301, 302 and 303.

Ledger Board Installation Steps 1-4

1



Step One:

Locate the RIPCORD in Grace Vycor Deck Protector, splitting the release paper in half. Remove bottom half of paper only.



Pre-cut the appropriate length of Grace Vycor Deck Protector. Adhere and roll out onto face of ledger board.



Press into place.

Note: Do not remove the other half of the release paper.

Flashing Application Instructions for Decks

INSTALLATION FOR CORROSION PREVENTION (continued)

Note: Only Grace Vycor Deck Protector has an anti-skid coating. Do not use Grace Vycor Plus on deck joists.

In addition to the application instructions listed below, see Details VCRDET-200, 201, 300, 301, 302 and 303.

2



Step Two:
Lay out joist hangers on ledger board and rim joist. Secure one side of the joist hanger leaving the other side slightly open to receive the joists.

3



Step Three:
Remove weather-resistive barrier from sill of door opening. Secure the ledger board to the house as required.



Remove top half of the release paper from membrane. Apply Grace Vycor Deck Protector to inside of door opening.



Integrate weather-resistive barrier with ledger board flashing to form water-shedding laps.

4



Step Four:
Apply pre-cut Grace Vycor flashing to door sill. Make relief cuts starting from corner of door sill. Make sure flashing is installed underneath weather-resistive barrier.



Roll firmly into sill opening. Complete the deck frame as designed.

Joist Installation Steps 5-7

5



Step Five:
Cut joists to required lengths. Wrap ends of joists with Grace Vycor Deck Protector.
Note: If joist is ACQ, CA-B or ACZA pressure-treated wood, ends of joists must be wrapped with Grace Vycor Deck Protector.



Install the wrapped joists into hangers and fasten as required according to manufacturer's specifications.

Flashing Application Instructions for Decks

INSTALLATION FOR CORROSION PREVENTION (continued)

Note: Only Grace Vycor Deck Protector has an anti-skid coating. Do not use Grace Vycor Plus on deck joists.

In addition to the application instructions listed below, see Details VCRDET-200, 201, 300, 301, 302 and 303.

6



Step Six:

For top of joists, pre-cut Grace Vycor Deck Protector to the required lengths using the appropriate 6 and 12 inch markings.



Overlap Grace Vycor Deck Protector onto ledger board flashing and rim joists.



Peel back the release paper.



Roll firmly into place.

Note: Tops of joists must be covered with Grace Vycor Deck Protector independently of type of wood used (pressure-treated or not).

7



Step Seven:

Cut the membrane at every joist inside corner and adhere onto joist-end flashing.

Note: For outside exterior joists ONLY, either line up the membrane at the edge OR trim/terminate membrane flush to the exposed fascia board.



Complete the deck.



PRECAUTIONS AND LIMITATIONS

Grace Vycor Self-Adhered Flashings are designed for critical non-roof flashing details. **DO NOT** install on the roof.

Grace Vycor Plus and Grace Vycor V40 are slippery – **DO NOT** walk on their surface. The surface of Grace Vycor Deck Protector, although treated with a skid-resistant coating, could also be slippery. Use special care and take all necessary fall protection precautions when walking on the membrane.

Release liners are slippery. Remove from work area immediately after membrane application.

Do not leave Grace Vycor Self-Adhered Flashings permanently exposed to direct sunlight.

Due to its slight asphaltic odor, **DO NOT** apply this product where the membrane is exposed to interior living space.

Grace Vycor Self-Adhered Flashings should not be used in hot desert areas in the Southwestern United States.

Grace Vycor Self-Adhered Flashings are not compatible with plasticized polyvinyl chloride (flexible PVC). Certain metal window applications with integral nail fin may have specific limitations. Contact window manufacturer for specific application instructions required when using a bituminous-based flashing.

Some solvents in certain caulking may be incompatible with the adhesive in Grace Vycor Self-Adhered Flashings. Refer to Technical Letter 1, “Chemical Compatibility with Other Building Materials and Sealants,” page 51.

If fasteners are removed, leaving holes in the membrane, it must be patched with another piece of membrane.

Consistent with good construction practices, install the membrane such that all laps shed water (following the shingle principle). The top membrane layer should go over the bottom layer. Always work from the low point to the high point.

Apply Grace Vycor Self-Adhered Flashings only in fair weather when the air, surface and membrane are at temperatures of -4°C (25°F) or higher.

SAFETY, STORAGE AND HANDLING

Grace Vycor Self-Adhered Flashing and accessory products must be handled properly. Read all product labels and Material Safety Data Sheets (MSDS) – see our web site at www.graceconstruction.com for proper handling and disposal. Deliver all materials in manufacturer's unopened packages and store all materials under cover. Do not double stack palletized material.

End of **DECKS AND DETAIL AREAS**



Flip book for

Window, Doors and Detail Areas installation

***NOTE: See Deck Details in
Window Section pages 27-52***

***NOTE: See Technical Letters in
Window Section pages 53-58***