

GRACE VYCOR® V40

Self-adhered flashing for critical non-roof detail areas

Moisture control is the first step to mold control.

Water from both exterior and interior sources is among the worst enemies of building structures. When water enters the wall system and remains there for a long time, it creates an environment favorable for the development of rot, mold and mildew. Proper waterproofing and flashing practices are needed to ensure high quality, long-lasting construction.

Repairs resulting from water and moisture infiltration are major concerns for homebuilders, contractors, architects and homeowners as they are difficult repairs and extremely costly. Window and door openings, deck-to-wall intersections, foundation sill plates, corners and other penetration areas are the most common water entry points. The solution—a self-adhered flashing membrane properly integrated with the other elements of the building structure. This will create a barrier to water entry as well as a drainage plane for water to drain out of the wall.

Grace Vycor® V40, a high performance, self-adhered flashing membrane provides premium protection against water infiltration in all critical non-roof detail areas, which traditional building papers, felts and housewraps cannot match.

When properly installed, Grace Vycor V40 can reduce the risk of water infiltration, often associated with costly call-backs.

Grace Vycor V40 fully adheres to the substrate, seals around fasteners and prevents water from

passing through and into the structure. It is highly conformable, easy to detail and provides premium protection against leaks. Best of all, Grace Vycor V40 employs the same proven technology as our famous Grace Ice & Water Shield®—the market leader for over thirty years.

Product Description

Grace Vycor V40 self-adhered flashing is composed of two waterproofing materials—rubberized asphalt and cross-laminated polyethylene. The product is designed to meet the requirements for weather-resistive barriers as defined by Federal Specification UU-B-790a, Grade A.

Grace Vycor V40 is available in a range of widths: 6 in., 9 in., 12 in. and 18 in. (150 mm, 225 mm, 300 mm and 455 mm) to accommodate a variety of job requirements.

Usage

Grace Vycor V40 provides protection from air, water and moisture infiltration in critical non-roof detail areas, including but not limited to:

- Window and door openings (headers, sills, jambs, thresholds, nailing flanges)
- Deck-to-wall intersections
- Corner boards
- Wall-to-wall tie-ins
- Foundation sill plate
- Sheathing panel seams
- Under stucco finishes
- Masonry walls
- Other non-roof areas

Product Advantages

- Premium protection against air, water and moisture infiltration
- Highly conformable
- Protects critical non-roof detail areas including masonry walls and stucco



Installation Procedure

Surface Preparation

Install Grace Vycor V40 directly on a clean and dry surface. Some suitable surfaces include plywood, wood composition, wood plank, metal, concrete or gypsum sheathing. Remove dust, dirt and loose nails. Protrusions must be removed. Surfaces shall have no voids, damaged or unsupported areas. Repair surfaces before installing the membrane.

Priming is generally not required for most substrates provided they are clean and dry. However, on concrete, masonry and DensGlass Gold®, apply Perm-A-Barrier® WB Primer. If adhesion is found to be marginal, also prime wood composition and gypsum sheathing with Perm-A-Barrier WB Primer. The coverage rate for Perm-A-Barrier WB Primer is 250–350 ft²/gal (6–8 m²/L).

Membrane Installation

Apply Grace Vycor V40 in fair weather when the air, surface and membrane are at temperatures of 25°F (-4°C) or higher. After precipitation, allow a minimum of 24 hours for drying before installing the flashing.

Cut the membrane to appropriate length. Peel back the release liner, align the membrane, press into place and firmly roll. Laps must be a minimum of 3 in. (75 mm). Mechanically fasten the membrane at vertical terminations. Consistent with good construction practices, install Grace Vycor V40 such that all laps shed water. The top membrane layer should go over the bottom layer. Always work from the low point to the high point.

Product Data

Property	Grace Vycor V40			
Product thickness	40 mil (1.02 mm)			
Carrier film	Cross-laminated HDPE			
Adhesive	Rubberized asphalt			
Release liner	Paper			
Color	Black-Gray			
Recommended exposure limit	30 Days			
Roll width(s)	6 in. (150 mm)	9 in. (225 mm)	12 in. (300 mm)	18 in. (455 mm)
Roll length(s)	75 ft (22.9 m)	75 ft (22.9 m)	75 ft (22.9 m)	75 ft (22.9 m)
Rolls per carton	6	4	3	2

www.graceathome.com
www.graceconstruction.com

For technical assistance call toll free at 866-333-3SBM (3726)

Vycor, Grace Ice & Water Shield and Perm-A-Barrier are registered trademarks of W. R. Grace & Co.–Conn. DensGlass Gold is a registered trademark of Georgia-Pacific Corporation.

We hope the information here will be helpful. It is based on data and knowledge considered to be true and accurate and is offered for the users' consideration, investigation and verification, but we do not warrant the results to be obtained. Please read all statements, recommendations or suggestions in conjunction with our conditions of sale, which apply to all goods supplied by us. No statement, recommendation or suggestion is intended for any use which would infringe any patent or copyright. W. R. Grace & Co.–Conn., 62 Whittemore Avenue, Cambridge, MA 02140. In Canada, Grace Canada, Inc., 294 Clements Road, West, Ajax, Ontario, Canada L1S 3C6.

This product may be covered by patents or patents pending.
TP-0731 Printed in U.S.A. 9/10

Precautions and Limitations

Grace Vycor V40 is designed for non-roof detail areas. This product is slippery—DO NOT walk on the membrane.

Do not leave Grace Vycor V40 permanently exposed to sunlight. Maximum recommended exposure is 30 days.

Grace Vycor V40 should not be used in hot desert areas in the southwestern United States.

Due to its slight asphaltic odor, apply Grace Vycor V40 where it is not exposed to interior living space. The product is incompatible with creosote, joint sealants containing polysulfide polymer, products manufactured from EPDM, flexible PVC, as well as certain caulks. Refer to Tapes Technical Letter 1, *Chemical Compatibility*, for further details. Contact window manufacturer for specific application instructions required when using a self-adhering, bituminous-based flashing. Certain metal window applications with integral nailing fin may have specific limitations. For more information, contact your local Grace representative.

Warranty

Grace Vycor V40 is warranted at the time of shipment to meet Grace's published specifications.

Approvals

ICBO approved as a Flashing Material (Report ER-6141).

GRACE

Copyright 2010. W. R. Grace & Co.–Conn.
FA/PDF