

LIQUID-APPLIED VAPOR RETARDER COATING

SealTite™ PRO VRC-2

SealTite PRO VRC-2 is a liquid-applied vapor retarder coating formulated for use on all SealTite PRO open-cell spray polyurethane foam (SPF) insulation products. This high-solids, latex based formula achieves a Class II water vapor transmission rating in a 32 mils WFT (17 DFT) application. SealTite PRO VRC-2 simultaneously seals and creates a seamless vapor retarder coating with excellent adhesion to all SealTite PRO open-cell products. SealTite PRO VRC-2 meets the International Residential Code (IRC) requirements for a Class II vapor retarder and is recommended for use on open-cell SPF as part of a vapor management strategy to reduce moisture and condensation risk in framed walls, ceilings, and attics in cold climate zones.

TYPICAL PHYSICAL PROPERTIES:

Property	Test
Water Vapor Transmission (ASTM E96A)	0.9 Perms @ 32 WFT/17 DFT
Solids	52% by Wt., 53% by Vol.
Weight	10 lbs./gallon
Viscosity	20,000 CPS
VOC	< 50 g/L: Compliant in all regulated areas
Application Temperatures	50°F Min, 85°F Max – Ambient and Substrate

APPLICATION: Approved only for use on SealTite PRO SPF products. Stir the 5-gallon pail thoroughly, preferably with a spiral paint mixer attached to a variable-speed drill to ensure uniform consistency. Apply with a high-quality brush, roller paint pad, or spray equipment. DO NOT THIN PRODUCT.

Allow SPF to cure and cool to ambient conditions prior to applying SealTite PRO VRC-2, minimum 1 hour. Ideal conditions are 50-65% relative humidity. Curing times are significantly affected when humidity levels exceed 70%. Humidity should be monitored throughout the application and curing process.

SealTite PRO VRC-2 should be applied in multiple consecutive thin passes (4-6 mils WFT per pass) in a cross hatch pattern. Depending on the variability of open-cell SPF surface profile, two coats may be required, allowing for 24 hours of curing prior to the application of the second coat. The same ventilation standards required for the installation of spray polyurethane foam insulation should be followed.

Airless Paint Sprayer: 2,000 – 3,000 (bold these numbers) psi, tip size 0.015" – 0.030" depending on manufacturer.

SealTite PRO VRC-2 can be applied to both trimmed and untrimmed foam substrates. When used in combination with fire-protective coatings, SealTite PRO VRC-2 should be installed directly to the SPF substrate prior to the application of any fire-protective coatings. Consult the fire-protective coating manufacturer's product evaluation reports for any limitations.

DRY TIME: Based on 77°F (25°C) 50% relative humidity at recommended coverage. Drying times may vary based on climate.

1 hour	Skin over
4 hours	Recoat

COVERAGE: Approximately 50 sq. feet (28 sq. meters) per U.S. gallon (3.78 L) when installed on open-cell SPF at 32 mils Wet Film Thickness (17 Dry Film Thickness) to achieve a Class II water vapor transmission rating.

CLEAN UP: Use warm soap and water.

MATERIAL HANDLING: Product safety information required for safe use is not included. Before handling, read safety data sheets (SDS) and container labels for safe use and for physical and health hazard information. Safety data sheets are available on the CSFI website at www.carlisesfi.com. You can also obtain a copy from your CSFI sales or technical service representative. Prevent from freezing.

VENTILATION GUIDANCE: Failure to comply with ventilation guidelines may affect the adhesion and the drying and curing process. Proper ambient air, substrate, coating temperatures, and low humidity are necessary for the proper adhesion and curing of SealTite PRO VRC-2. Lower temperatures and/or higher humidity will prevent SealTite PRO VRC-2 from curing properly and may lead to blistering, delamination, and a





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possible lingering odor due to the evaporation of the liquid components. Under normal drying conditions these odors, which are like low-odor latex paint, dissipate quickly and do not cause any lingering issues.

SealTite PRO VRC-2 contains approximately 50% water. For every 5 gallons of SealTite PRO VRC-2 applied, about 2.5 gallons of water evaporates into the air during curing. SealTite PRO VRC-2 has not cured until all liquids have completely evaporated. Creating negative pressure in the enclosed area removes the humid air containing the evaporated components of both the SPF and coating, allowing the coating to cure evenly throughout the coating. In colder job-site conditions, space heaters may be necessary to maintain proper curing temperatures. Do not use combustion source heaters as these add a significant amount of moisture into the air as a byproduct of the combustion reaction. Indirect heaters are ideal for maintaining temperature and aiding in the control of excess humidity. Forced air heaters may accelerate surface level curing, preventing interior moisture from escaping. This results in an uncured interior of the coating, trapped moisture, and lingering odors.

TECHNICAL ASSISTANCE: For additional assistance, please contact the Technical Services department at Carlisle Spray Foam Insulation at (844) 922-2355.

USE IN CANADA: SealTite PRO VRC-2 meets section 9.25.4.2 of the National Building Code of Canada. The National Building Code of Canada is an objective based Code. As a performance option, NBCC 5.5.1.2 permits coatings applied to materials other than gypsum board to provide required resistance to vapour diffusion provided the vapour barrier has sufficiently low permeance to minimize moisture transfer by diffusion when tested in accordance with ASTM E96/E96M, and is appropriately installed and positioned within an assembly.

DISCLAIMER: To the best of our knowledge, all technical data contained herein is true and accurate as of the date of issuance and subject to change without prior notice. User must contact Carlisle Spray Foam Insulation to verify correctness before specifying or ordering. We guarantee our products to conform to the quality control standards established by Carlisle Spray Foam Insulation. We assume no responsibility for coverage, performance or injuries resulting from use. Liability, if any, is limited to replacement of the product. NO OTHER WARRANTY OR GUARANTEE OF ANY KIND IS MADE BY CARLISLE SPRAY FOAM INSULATION EXPRESSED OR IMPLIED; STATUTORY, BY OPERATION OF LAW, OR OTHERWISE, INCLUDING MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.



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