CARLISLE SPRAY FOAM INSULATION

TECHNICAL DATA SHEET

OPEN CELL FOAM
SealTite PRO No Trim 21

SealTite PRO No Trim 21 is a two component, light density, one to one by volume spray-applied polyurethane foam. A single pass at 5" of SealTite PRO No Trim 21, in a typical 2X6 wall cavity, will achieve an insulation value of R-21. SealTite PRO No Trim 21 eliminates the need to over spray and trim excess material to reach required insulation values. SealTite PRO No Trim 21 is an insulation system designed for use in residential applications. Use in lieu of more traditional forms of insulating materials such as fiberglass, cellulose or other loose fill products. Typical area's where SealTite PRO No Trim 21 is applied are exterior and interior walls, vented attics, un-vented attic assemblies and between floors. SealTite PRO No Trim 21 contains ZERO ozone depleting blowing agents.

TYPICAL PHYSICAL PROPERTIES:

Property	SealTite	Test
R-Value	4.4 @ 1" 15 @ 3.5" 21 @ 5"	ASTM C 518
Core Density	0.75 LB / Cubic Foot	ASTM D 1622
Open Cell Content	> 97%	ASTM D 6226
Sound Transmission Coefficient	30	ASTM E 413
Water Vapor Transmission - Permeance	15 Perms at 1"	ASTM E 96
Air Impermeable	< 0.02 (L/s-m^2) @ 3.5"	ASTM E 283
Noise Reduction Coefficient	0.10	ASTM C 423
Tensile Strength (PSI)	4.7	ASTM D 1623
Dimensional Stability	< 4%	ASTM D 2126

Building Code Certifications / Fire Test Data		
Evaluation Service Report	IAPMO	UES-618
Building Types	Approved	V-B: Nonstructural Insulation material
Flame Spread	ASTM E84	Class I < 20
Smoke Development	ASTM E84	Class I < 400
NFPA 286 AC377 Appendix X	Pass: Complies with the applicable requirements of ICC-ES AC377 Appendix X for use in attics and crawlspaces when covered with one of the approved intumescent coatings as shown on page 2.	
UL Listing	FWFX.R38039	Exterior Wall System Component
UL Listing	FWFO.EWS0013 & EWS0029	Exterior Wall System
Greenguard	Certified: UL 2818 - 2013 Standard for Chemical Emissions for Building Materials, Finishes and Furnishings.	
MAS Certified Green	MAS Certified Green® Program • LEED TVOC Emissions at 14-days - 0.5 mg/m^3 or less – classroom, gymnasium, healthcare - 0.5 mg/m^3 to 5.0 mg/m^3 – private office	• CHPS 2019 Core Criteria 3.0 EQ C6.1.6 - ceiling & wall systems • Accredited Standards & Test Methods: "CDPH" Method v1.2 – classroom & private office.	• Certificate No.: MAS2500049

SealTite™ PRO

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THERMAL BARRIER:

Current International Building Code (IBC) and International Residential Code (IRC) require that spray polyurethane foam be separated from the building interior by a code prescribed 15-minute thermal barrier or a code-approved alternative. Gypsum board at a minimum thickness of ½" is a code prescribed 15-minute thermal barrier. The following intumescent coatings when installed per manufacturer specifications are approved as thermal barrier alternatives for SealTite PRO No Trim 21:

Approved Intumescent Coatings:

DC315™ manufactured by: International Fireproof Technology, Inc	Application Rates: 20 Wet Mils - 13 Dry Mils

IGNITION BARRIER:

SealTite PRO No Trim 21 meets the requirements of ICC- ES AC377 Appendix X for use in attics and crawlspace without a prescriptive ignition barrier when covered with one of the following approved intumescent coatings and the following conditions are met:

a	Entry is only to service utilities in the attic or crawl space and no storage is permitted.
b	Attic or crawl space areas cannot be connected.
c	Air from the attic or crawl space cannot be circulated to other parts of the building.
d	In accordance with IBC 2024 Section 1202.3 or IRC 2024 Section R408, under floor (crawlspace) ventilation is provided as applicable.
e	In accordance with IBC 2024 Section 1202.2 or IRC 2024 Section R806, attic ventilation is provided as applicable.
f	In accordance with 2012 and 2009 IMC (International Mechanical Code®) Section 701, or 2006 IMC Sections 701 and 703, combustion air is provided.
g	The foam plastic insulation is limited to the maximum thickness and density tested.
h	The installed coverage rate of coatings, if part of the insulation system shall be equal or greater than that tested.

Approved Intumescent Coatings:

DC315™ manufactured by: International Fireproof Technology, Inc	Application Rates: 4 Wet Mils - 3 Dry Mils

GENERAL PROPERTIES: SealTite PRO No Trim 21 is a low viscosity, 0.75 pcf density open cell insulating material. SealTite PRO No Trim 21 is designed to provide significant control of air infiltration along with a high R-value per inch. When properly installed by a professional application company SealTite PRO No Trim 21 quickly expands to fill the cracks, crevices, gaps and voids that exist in every structure. In addition, SealTite PRO No Trim 21 will conform to the curves, irregular surfaces and spaces to form a superior thermal envelope around your entire structure.

EQUIPMENT AND COMPONENT RATIOS: The mix ratio is 1 to 1 volume. The pre-heater temperatures should be set between 115°F - 140°F and able to maintain +/-5°F.

VAPOR RETARDER: Open cell foam insulation is vapor permeable and will allow some diffusion of moisture through the product. Consult local building code officials for specific requirements. Climate zone tables are available in current IBC and IRC publications.

APPLICATION GUIDELINES: Polyurethane foam systems should be processed through commercially available spray equipment designed for that purpose by a qualified professional applicator. Consult the current Carlisle Spray Foam Insulation application guidelines for SealTite PRO No Trim 21 prior to installation. It is the responsibility of the professional applicator to thoroughly understand all equipment technical information and safe operating procedures that pertain to a spray polyurethane foam application.

MATERIAL HANDLING: Due to the reactive nature of these components respiratory protection is mandatory. The vapors and liquid aerosols present during application and for a short period thereafter must be considered – and appropriate protective measures taken – to minimize potential risks from overexposure through inhalation, skin, or eye contact. These protective measures include adequate ventilation, safety training for installers and other workers, use of appropriate personal protective equipment, and a medical surveillance program. It is imperative that the applicator read and become familiar with all available information on proper use and handling of spray polyurethane foam. Additional information is available at www.carlislesfi.com or by contacting the Technical Services department of Carlisle Spray Foam Insulation.

PROPER STORAGE OF RAW MATERIALS: Shelf life is six (6) months from date of manufacture when stored indoors, in the original unopened containers and between the temperatures of 50°-80°F.

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

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.

INSULATION CONTRACTORS ASSOCIATION OF AMERICA ICAA

IAPMO MEMBER

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