

ICC-ES Evaluation Report

ESR-3263



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<p>DIVISION: 07 00 00— THERMAL AND MOISTURE PROTECTION</p> <p>Section: 07 21 00— Thermal Insulation</p> <p>Section: 07 84 16— Annular Space Protection</p>	<p>REPORT HOLDER: DEWALT</p> 	<p>EVALUATION SUBJECT:</p> <p>TRIGGERFOAM™ PRO FIRE BLOCK, TRIGGERFOAM™ PRO WINDOW AND DOOR, TRIGGERFOAM™ PRO ALL SEASON FOAM SEALANTS (DEWALT)</p>	
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1.0 EVALUATION SCOPE

Compliance with the following codes:

- 2024, 2021, 2018, 2015 and 2012 [International Building Code® \(IBC\)](#)
- 2024, 2021, 2018, 2015 and 2012 [International Residential Code® \(IRC\)](#)

Properties evaluated:

- Surface-burning characteristics
- Annular space protection

2.0 USES

Trigger Foam Pro Fire Block, TriggerFoam Pro Window and Door and TriggerFoam Pro All Season are foam sealants used to fill cracks and voids in construction and the annular space created by the penetration of wood fireblocking by pipes and conduits. The sealants are evaluated for use as alternatives to the methods prescribed by the code for maintaining the integrity of penetrations of wood fireblocking.

3.0 DESCRIPTION

TriggerFoam Pro Fire Block, TriggerFoam Pro Window and Door and TriggerFoam Pro All Season are single-component polyurethane foam plastic sealants that expand to take the shape of cracks and voids. The sealants have a flame-spread index of less than 25 and a smoke-developed index of less than 450 when tested in accordance with ASTM E84 (UL 723). The sealants are packaged in an aerosol delivery configuration. The sealants have been tested in accordance with the ICC-ES Acceptance Criteria for Spray-applied Foam Plastic Used to Maintain the Integrity of Wood Fireblocking (AC546) to establish that the integrity of the fireblocking is maintained when the wood fireblocking is penetrated.

4.0 DESIGN AND INSTALLATION

Installation of the foam plastic sealant must comply with this report and the manufacturer's published installation instructions. The manufacturer's published installation instructions are to be available at the jobsite at all times during installation.

The foam plastic sealants must be installed to completely fill the annular space around the penetrations for the full depth of the plate that has been penetrated. Use of the foam to fill annular space or cracks must observe the following limitations:

- a. The maximum width of exposed sealant or the annular space of penetrations to be sealed is not to exceed $1^{11}/_{32}$ inches (34 mm), and the nominal foam thickness must range from $1^{1}/_{2}$ inches to 3 inches.
- b. The maximum area of exposed sealant must not exceed 18 square inches per square foot ($1247 \text{ cm}^2/\text{m}^2$) of wall area.

5.0 CONDITIONS OF USE:

The TriggerFoam Pro Fire Block, TriggerFoam Pro Window and Door and TriggerFoam Pro All Season sealants described in this report comply with, or are suitable alternatives to what is specified in, those codes listed in Section 1.0 of this report, subject to the following conditions:

- 5.1 Materials and methods of installation must comply with this report and the manufacturer's published installation instructions. In the event of a conflict between the manufacturer's published installation instructions and this report, this report governs.
- 5.2 The sealants must not be used in applications where exposed to sunlight or weather.
- 5.3 The sealants must be separated from the interior space by an approved 15-minute thermal barrier complying with the requirements of the applicable code.
- 5.4 Use of the spray-applied foam plastic is limited to Type V-B construction under the IBC and to nonfire-resistance-rated construction under the IRC.
- 5.5 The spray-applied foam plastic is not intended for use as a component of a through-penetration firestop system installed in a fire-resistance-rated assembly.
- 5.6 The spray-applied foam plastic is not intended for use as an alternative to wood fireblocking prescribed by the applicable code.
- 5.7 TriggerFoam Pro Fire Block, TriggerFoam Pro Window and Door and TriggerFoam Pro All Season sealants are manufactured under an approved quality control program with inspections by ICC-ES.

6.0 EVIDENCE SUBMITTED

- 6.1 Data in accordance with the [ICC-ES Acceptance Criteria for Spray-applied Foam Plastic Used to Maintain the Integrity of Wood Fireblocking \(AC546\)](#) dated February 2023 (editorially revised October 2024).

7.0 IDENTIFICATION

- 7.1 The ICC-ES mark of conformity, electronic labeling, or the evaluation report number (ICC-ES ESR-3263) along with the name, registered trademark, or registered logo of the report holder must be included in the product label.
- 7.2 In addition, the TriggerFoam Pro Fire Block, TriggerFoam Pro Window and Door and TriggerFoam Pro All Season sealants described in this report are identified by a label bearing the DEWALT name, the product type, and the evaluation report number (ESR-3263).
- 7.3 The report holder's contact information is the following:

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