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# ICC-ES Report

## ESR-3263

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This report is subject to renewal 06/2017.

**DIVISION: 07 00 00—THERMAL AND MOISTURE PROTECTION**  
**SECTION: 07 21 00—THERMAL INSULATION**  
**SECTION: 07 84 16—ANNULAR SPACE PROTECTION**

**REPORT HOLDER:**

**DEWALT**

**701 EAST JOPPA ROAD  
TOWSON, MARYLAND 21286**

**EVALUATION SUBJECT:**

**TRIGGERFOAM™ PRO FIRE BLOCK, TRIGGERFOAM™ PRO WINDOW AND DOOR,  
TRIGGERFOAM™ PRO ALL SEASON FOAM SEALANTS (DEWALT / POWERS)**



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**DIVISION: 07 00 00—THERMAL AND MOISTURE  
PROTECTION****Section: 07 21 00—Thermal Insulation****Section: 07 84 16—Annular Space Protection****REPORT HOLDER:****DEWALT****701 EAST JOPPA ROAD  
TOWSON, MARYLAND 21286  
(800) 524-3244  
[www.dewalt.com](http://www.dewalt.com)  
[engineering@powers.com](mailto:engineering@powers.com)****ADDITIONAL LISTEE:****POWERS FASTENERS  
701 EAST JOPPA ROAD  
TOWSON, MARYLAND 21286  
(800) 524-3244  
[www.powers.com](http://www.powers.com)  
[engineering@powers.com](mailto:engineering@powers.com)****EVALUATION SUBJECT:****TRIGGERFOAM™ PRO FIRE BLOCK, TRIGGERFOAM™  
PRO WINDOW AND DOOR, TRIGGERFOAM™ PRO ALL  
SEASON FOAM SEALANTS (DEWALT / POWERS)****1.0 EVALUATION SCOPE****Compliance with the following codes:**

- 2015, 2012, 2009 and 2006 *International Building Code*® (IBC)
- 2015, 2012, 2009 and 2006 *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 recognized for use as alternatives to the methods prescribed by the code for maintaining the integrity of penetrations of 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 ASTM E814 (modified) to establish that the integrity of the fireblocking is maintained when the fireblocking is penetrated.

**4.0 DESIGN AND INSTALLATION**

Installation of the 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 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  $1\frac{1}{32}$  inches (34 mm), and the nominal foam thickness must range from  $1\frac{1}{2}$  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 sealants is limited to Type V-B construction under the IBC and to non-fire-resistance-rated construction under the IRC.
- 5.5 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 Manufacturer's product labels with installation instructions.
- 6.2 Report containing results of testing performed in accordance with UL 723 (ASTM E84).

6.3 Report containing results of comparative testing performed in accordance with a modified version of ASTM E814.

6.4 Quality documentation.

#### **7.0 IDENTIFICATION**

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 or Powers Fasteners name, the product type, and the evaluation report number (ESR-3263).