



ICC-ES Evaluation Report ESR-1926

Reissued February 2023

Revised April 2023

This report is subject to renewal February 2025.

DIVISION: 07 00 00—THERMAL AND MOISTURE PROTECTION
Section: 07 84 16—Annular Space Protection

REPORT HOLDER:

DAP PRODUCTS INC.

EVALUATION SUBJECT:

POLYURETHANE FOAM SEALANTS:

- DAP TOUCH 'N SEAL® GUN FOAM II / TOUCH 'N FOAM® PRO ALL PURPOSE GUN FOAM
- DAP TOUCH 'N SEAL® NO WARP / TOUCH 'N FOAM® WINDOW AND DOOR FOAM
- DAP TOUCH 'N SEAL® ALL SEASON GUN FOAM/ TOUCH 'N FOAM® PROFESSIONAL LOW TEMP GUN FOAM
- DAP TOUCH 'N SEAL® FIREBLOCK / TOUCH 'N FOAM® FIREBREAK TECHNOLOGY FOAM
- DAP TOUCH 'N SEAL® QUICK CURE/TOUCH 'N FOAM® MAXFILL/ TRIPLE EXPANSION/ LANDSCAPING
- DAP TOUCH 'N SEAL® / TOUCH 'N FOAM® PRO QUICK CURE CANISTER FOAM/ DAP TOUCH 'N SEAL®/ TOUCH 'N FOAM® PRO QUICK CURE CANISTER FOAM LOW GWP
- DAP TOUCH 'N FOAM® BARRIER FOAM/ MOUSE SHIELD/ DAP MOUSE & PEST SHIELD/ DAP BARRIER WINDOW & DOOR/ DAP MULTI-PROJECT/ UNIVERSAL FOAM/ TOUCH 'N SEAL® PEST CONTROL/ ADVANCED PEST CONTROL FOAM

1.0 EVALUATION SCOPE

Compliance with the following codes:

- 2021, 2018, 2015, 2012, 2009 and 2006 *International Building Code*® (IBC)
- 2021, 2018, 2015, 2012, 2009 and 2006 *International Residential Code*® (IRC)

Properties evaluated:

- Surface-burning characteristics
- Annular space protection

2.0 USES

The polyurethane foam sealant products described in the report are used to fill cracks and voids in construction and the annular space created by the penetration of wood fire blocking by pipes and conduits. The polyurethane foam sealant products are evaluated for use as an alternative to the methods prescribed by the code for maintaining the integrity of penetrations of wood fireblocking.

3.0 DESCRIPTION

The polyurethane foam sealant products are single-component, polyurethane foam sealants which expand to take the shape of cracks and voids. The foam plastic has 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 foam plastic is packaged in an aerosol delivery configuration. The foam plastic has 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 wood fireblocking is maintained when penetrated.

4.0 INSTALLATION

Installation of the polyurethane foam sealant products must comply with this report and the manufacturer's published installation instructions. The manufacturer's published installation instructions must be available at the jobsite at all times during installation. The polyurethane foam sealant must be installed to completely fill the annular space around the penetrations of the plate or plates penetrated. Use of the polyurethane foam sealant to fill the cracks must observe the following limitations:

- a. The maximum width of exposed foam or the annular space of penetrations to be sealed must not exceed 1⁵/₁₆ inches (34 mm). The nominal foam thickness must be between 1¹/₂ and 3 inches (38 and 76 mm). Where the thickness of the plate exceeds 3 inches, the DAP Touch 'N Seal® Gun Foam II / Touch 'N Foam® Pro All Purpose Gun Foam may be used at a thickness between 1¹/₂ and 4 inches (38 and 102 mm).

- b. The maximum area of exposed foam must not exceed 18 square inches per square foot (1250 cm²/m²) of wall area.

5.0 CONDITIONS OF USE

The DAP Products Inc., polyurethane foam 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 installation instructions and this report, this report governs.
- 5.2 The polyurethane foam sealant products must not be used in applications where they are exposed to sunlight or weather.
- 5.3 A thermal barrier is not required for DAP Touch 'N Seal[®] Gun Foam II / Touch 'N Foam Pro All Purpose Gun Foam, DAP Touch 'N Seal[®] FireBlock / Touch 'N Foam[®] Firebreak Technology Foam, and DAP Touch 'N Seal[®] / Touch 'N Foam[®] Pro Quick Cure Canister Foam/ Touch 'N Seal[®]/ Touch 'N Foam[®] Pro Quick Canister Foam Low GWP when installation complies with Section 4.0 of this report.
- 5.4 The spray-applied foam plastics are limited to use in nonfire-resistance-rated assemblies where wood fireblocking is permitted by 2021, 2018, 2015, 2012 Section 718.2 and 2009 and 2006 IBC Section 717.2, and to nonfire-resistance-rated construction under the IRC.
- 5.5 The spray-applied foam plastics are 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 plastics are not intended for use as an alternative to wood fireblocking prescribed by the applicable code.

- 5.7 The spray-applied foam plastics are produced in Pacific, Missouri, under a 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.
- 6.2 Reports containing results of testing performed in accordance with UL 1715.

7.0 IDENTIFICATION

- 7.1 The ICC-ES mark of conformity, electronic labeling, or the evaluation report number (ICC-ES ESR-2179) 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 polyurethane foam sealant products described in this report must be identified by a stamp bearing the manufacturer's name (DAP Products Inc.), the product name, and the evaluation report number (ESR-1926).
- 7.3 The report holder's contact information is the following:

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www.touch-n-seal.com

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1.0 REPORT PURPOSE AND SCOPE**Purpose:**

The purpose of this evaluation report supplement is to indicate that the DAP Products polyurethane foam sealant products, described in ICC-ES evaluation report ESR-1926, have also been evaluated for compliance with the codes noted below.

Applicable code edition(s):

- 2019 *California Building Code* (CBC)

For evaluation of applicable chapters adopted by the California Office of Statewide Health Planning and Development (OSHPD) AKA: California Department of Health Care Access and Information (HCAI) and the Division of State Architect (DSA), see Sections 2.1.1 and 2.1.2 below.

- 2019 *California Residential Code* (CRC)

2.0 CONCLUSIONS**2.1 CBC:**

The DAP Products polyurethane foam sealant products, described in Sections 2.0 through 7.0 of the evaluation report ESR-1926, comply with CBC Chapter 7, provided the design and installation are in accordance with the 2018 *International Building Code*® (IBC) provisions noted in the evaluation report and the additional requirements of CBC Chapter 7, as applicable.

2.1.1 OSHPD:

The applicable OSHPD Sections of the CBC are beyond the scope of this supplement.

2.1.2 DSA:

The applicable DSA Sections of the CBC are beyond the scope of this supplement.

2.2 CRC:

The DAP Products polyurethane foam sealant products, described in Sections 2.0 through 7.0 of the evaluation report ESR-1926, comply with CRC Chapter 3, provided the design and installation are in accordance with the 2018 *International Residential Code*® (IRC) provisions noted in the evaluation report and the additional requirements of CRC Chapter 3.

This supplement expires concurrently with the evaluation report, reissued February 2023, revised April 2023.