

ICC-ES Evaluation Report

ESR-1926

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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:

CONVENIENCE PRODUCTS, DIVISION CLAYTON CORP.
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EVALUATION SUBJECT:
POLYURETHANE FOAM SEALANTS:

- TOUCH 'N SEAL® GUN FOAM II/TOUCH 'N FOAM PRO ALL PURPOSE GUN FOAM
- TOUCH 'N SEAL® NO WARP/TOUCH 'N FOAM WINDOW AND DOOR FOAM
- TOUCH 'N SEAL® ALL SEASON GUN FOAM, TOUCH 'N SEAL®/TOUCH 'N FOAM FIREBREAK TECHNOLOGY FOAM
- TOUCH 'N SEAL® QUICK CURE/TOUCH 'N FOAM TRIPLE EXPANSION
- TOUCH 'N SEAL®/TOUCH 'N FOAM PRO QUICK CURE CANISTER FOAM 10/16/23 POUND

1.0 EVALUATION SCOPE
Compliance with the following codes:

- 2006 *International Building Code*® (IBC)
- 2006 *International Residential Code*® (IRC)
- BOCA® *National Building Code*/1999 (BNBC)
- 1999 *Standard Building Code*® (SBC)

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 recognized for use as an alternative to the methods prescribed by the code for maintaining the integrity of penetrations of fire blocking.

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 (modified). The foam plastic is packaged in an aerosol delivery configuration. The foam plastic has been tested in accordance with ASTM E814 (modified) to establish that the integrity of the 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. Where the thickness of the plate exceeds 3 inches, the 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 Convenience Products, Division Clayton Corp, polyurethane 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 must govern.
- 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 Touch 'N Seal®

Gun Foam II/Touch 'N Foam Pro All Purpose Gun Foam, Touch 'N Seal®/Touch 'N Foam Firebreak Technology Foam, and Touch 'N Seal®/Touch 'N Foam Pro Quick Cure Canister Foam 10/16/23 Pound when installation complies with Section 4.0 of this report.

- 5.4 Use of the polyurethane foam sealant products is limited to Type V nonfire-resistance-rated construction under the IBC, Type 5 under the BNBC, and Type VI under the SBC, and to nonfire-resistance rated construction under the IRC.
- 5.5 The polyurethane foam sealant products are produced in Pacific, Missouri, under a quality control program with inspections by ICC-ES.

6.0 EVIDENCE SUBMITTED

- 6.1 Manufacturer's descriptive literature.

- 6.2 Reports containing results of testing performed in accordance with a modified version of ASTM E84.
- 6.3 Reports containing results of comparative testing performed in accordance with a modified version of ASTM E814.
- 6.4 Reports containing results of testing performed in accordance with UL 1715.
- 6.5 A quality control manual.

7.0 IDENTIFICATION

The polyurethane foam sealant products described in this report must be identified by a stamp bearing the manufacturer's name (Convenience Products), the product name, and the evaluation report number (ESR-1926).