

EVALUATION REPORT



ESR-1868

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This report is subject to re-examination in two years.

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DIVISION: 07—THERMAL AND MOISTURE PROTECTION
Section: 07210—Building Insulation
Section: 07485—Annular Space Protection

REPORT HOLDER:

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EVALUATION SUBJECT:

FOMO PRODUCTS, INC., HANDI-FOAM® AND DAP, INC.,
FIREBLOCK FOAM ONE-COMPONENT FOAM SEALANTS

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)
- 1997 *Uniform Building Code*™ (UBC)

Properties evaluated:

- Surface-burning characteristics
- Annular space protection

2.0 USES

Handi-Foam® and Fireblock Foam are aerosol foam plastic 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 foam plastic sealant is recognized for use as an alternative to the methods prescribed by the code for maintaining the integrity of penetrations of fireblocking.

3.0 DESCRIPTION

Handi-Foam® and Fireblock Foam are single-component, polyurethane foam plastic sealants that expand to take the

shape of cracks and voids. The foam has a flame-spread index of less than 25 and a smoke-developed index of less than 450 when tested in accordance with ASTM E 84 (UBC 8-1). The foam is packaged in an aerosol delivery configuration. The foam has been tested in accordance with ASTM E 814 (modified) to establish that the integrity of the fireblocking is maintained when the fireblocking is penetrated.

4.0 INSTALLATION

Installation of the foam sealant shall 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 sealant shall be separated from interior spaces by an approved 15-minute thermal barrier. The foam is installed to completely fill the annular space around the penetrations for the full depth of the plate that has been penetrated.

The maximum width of exposed foam or the annular space of penetrations to be sealed is not to exceed $1\frac{5}{16}$ inches (33 mm), and the nominal foam thickness is not to exceed $1\frac{1}{2}$ inches (38 mm).

5.0 CONDITIONS OF USE

The Handi-Foam® and Fireblock Foam foam plastic 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 shall 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 sealant shall not be used in applications where exposed to sunlight or weather.
- 5.3** The sealant shall 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 foam sealant is limited to Type V nonfire-resistance-rated construction under the IBC and UBC, Type 5 under the BNBC, and Type VI under the SBC, and to nonfire-resistance-rated construction permitted under the IRC.
- 5.5** Handi-Foam® and Fireblock Foam are produced in Norton, Ohio, under a quality control program with inspections by Underwriters Laboratories Inc. (AA-668).

6.0 EVIDENCE SUBMITTED

- 6.1** Manufacturer's descriptive literature.

EVALUATION REPORT

- 6.2 Reports containing results of testing performed in accordance with ASTM E 84.
- 6.3 Report containing results of comparative testing performed in accordance with a modified version of ASTM E 814.
- 6.4 A quality control manual.

7.0 IDENTIFICATION

The Handi-Foam® and Fireblock Foam foam plastic sealants described in this report are identified by a stamp bearing the Fomo Products, Inc., or DAP Products, Inc., name, the product type, the name of the inspection agency (Underwriters Laboratories Inc.) and the evaluation report number (ESR-1868).