

**MICHIGAN DEPARTMENT OF ENERGY, LABOR & ECONOMIC GROWTH
BUREAU OF CONSTRUCTION CODES
P.O. BOX 30254
LANSING, MI 48909**

**CERTIFICATE OF ACCEPTABILITY
PRODUCT APPROVAL**

1612-BA

Issued by the Michigan State Construction Code Commission in accordance with authority granted under Section 21, 1972 P.A. 230, MCL 125.1521 on the recommendation of the Bureau of Construction Codes, Plan Review Division.

MANUFACTURER:

Firespray International Ltd
12524 Renoir Lane
Dallas, TX 75230

PRODUCT:

Fire rated ductwork construction from galvanized sheet metal coated with a spray applied water based compound identified as Flamebar BW11.

PRODUCT'S APPLICATION:

Heating, ventilating, and air conditioning duct assemblies used to resist the spread of fire from one fire compartment to another without the use of fire dampers.

CODE SUMMARY:

2006 MBC, Section 712.3.1.1	Penetrations through fire-resistant rated wall assemblies.
2006 MBC, Section 712.4.1.1.1	Penetrations through fire-resistant rated floor/ceiling assemblies.

SCOPE OF EVALUATION:

1. Flamebar BW11 fire rated ductwork was evaluated in accordance with the requirements of 2006 Michigan Building Code (MBC), Sections 707 and 712. It may be used in lieu of a rated shaft enclosure for penetration of fire rated floor/ceiling and roof/ceiling assemblies.
2. Flamebar BW11 fire rated ductwork was evaluated in accordance with the requirements of the MBC, Section 712 and may be used for penetrations of fire rated wall assemblies.

CONDITIONS OF USE AND INSTALLATION:

1. Flamebar BW11 fire rated ductwork is approved as air ventilation ductwork as an alternate to penetrate one, up-to four hour rated floor/ceiling and roof/ceiling and wall assemblies when constructed in accordance with this approval and the manufacturer's installation requirements.

CONDITIONS OF USE AND INSTALLATION CONTINUED:

2. All ducts shall be constructed as specified in the SMACNA HVAC Duct Construction Standard referenced by 2006 Michigan Mechanical Code, Section 603.4
3. All duct shall be installed per U.L. Ventilation Duct Assemblies HNLJ.V-5 and HNLJ.V-6.
4. Penetrated floor/ceiling and roof/ceiling and wall assemblies shall be a minimum 4½” thick reinforced light weight or normal weight concrete. Wall also may be constructed of UL Classified Concrete Block.
5. UL Listed fire dampers installed at transitions between coated duct and unprotected steel duct and at all coated duct openings. Dampers shall be manufactured by Pottorff or Ruskin.
6. All ductwork shall bear the UL Classification Mark.
7. All ductwork within shaft enclosure and/or horizontal assemblies shall be encased with metal framing and gypsum board per Warrington Fire Test WF Report No. 168136 or Intertek Fire Test Report No. 3138245.
8. This approval shall become null and void if and when the product no longer meets the requirements of the Michigan Building Code and the Michigan Mechanical Code.

THIS CERTIFICATE SHALL NOT BE USED FOR ADVERTISING PURPOSES.

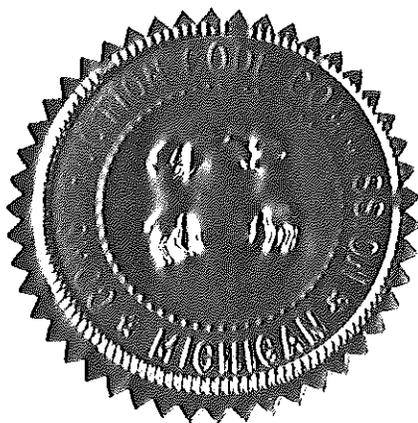
By Direction of the Construction Code Commission



Irvin J. Poke, AIA, Director



Todd Cordill, NCARB – Chief, Plan Review Division



Effective Date: July 7, 2010