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Ontario

**Building Materials Evaluation
Commission**

**Commission d'évaluation des
matériaux de construction**

BMEC AUTHORIZATION: 01-06-258

Driangle Inc.

Architectural Moulding with a Foam Plastic Core

Date of Authorization: May 24, 2001
Date of Amendment: January 31, 2013 – *contact information update*
Date of Amendment: September 28, 2017 – *policy update*
Date of Expiry¹: September 28, 2022

1. Applicant

Driangle Inc.
201 Rowntree Dairy Road
Woodbridge, Ontario
Canada L4L 8B8

Tel: 905 264-1007
Fax: 905 264-2647

2. Manufacturing Facility

Driangle Inc.
201 Rowntree Dairy Road
Woodbridge, Ontario
Canada L4L 8B8

3. Authorization

The architectural moulding consists of a foam plastic core surfaced with a protective coating of fiberglass mesh, the Driangle Inc. proprietary basecoat and the Driangle Inc. proprietary topcoat.

These architectural mouldings come in various sizes and shapes, which are fastened in place with Sheetrock 90 adhesive to the interior gypsum board surfaces.

¹ This Authorization expires on the date shown. It is the responsibility of Authorization holders to make a complete application considering the time for review and complexity of the new application.

Additional descriptive information is provided in documents supplied by the Applicant listed in Appendix A.

Reports and assessment provided by the Applicant demonstrate that if the architectural moulding is manufactured, designed, constructed, and installed in accordance with the manufacturer's instructions and limitations, and the specific terms and conditions stated in this authorization the use of the architectural moulding shall be deemed not to be a contravention of Article 3.1.5.7. "Combustible Millwork" of Division B, of the Building Code.

All other requirements pertaining to the manufacturing, design, construction, installation and maintenance are subject to the requirements of the Building Code, and subject to the following terms and conditions contained in 4 and 5 below:

4. Specific Terms and Conditions

1. The architectural foam plastic moulding shall be limited to use as crown mouldings at ceilings and as chair rails on walls in buildings required to be constructed of noncombustible construction by Part 3 of Division B of the 2012 Building Code;
2. The architectural foam plastic moulding shall be fastened in place with Sheetrock 90 adhesive to a gypsum board substrate finished in place. The gypsum board substrate shall be continuous behind the architectural foam plastic moulding;
3. Each moulding shall be surfaced on the exposed side with an application of fiberglass mesh. The surfacing shall be applied as per the applicant's instructions, with the proprietary basecoat and the proprietary topcoat;
4. Individual mouldings may not be longer than 2440 mm. For longer lengths the mouldings are to be connected together with Fiberglas mesh tape and the proprietary joint compound. All corners and ends are to be treated with fiberglass mesh and the proprietary joint compound, to maintain a continuous seal;
5. The mouldings shall not constitute more than 10% of the aggregate area of the wall and ceiling areas of a room or space in which they are installed. This area includes the area of doors and other openings in the walls. The trim shall be uniformly distributed throughout the room or space; and
6. The mouldings shall be installed in accordance with the Driangle Inc.'s installation instructions.

5. General Conditions

1. The use of the architectural moulding as described in Section 3. and the Specific Terms and Conditions set out in Section 4 must comply with:
 - (a) the *Building Code Act, 1992*, (the “Act”) as amended or re-enacted,
 - (b) except as specifically authorized herein, the Building Code as amended or remade, and
 - (c) all other applicable legislation.
2. A copy of this Authorization shall accompany each application for a building permit and shall be maintained on the site of the construction with the building permit.
3. The Applicant specified in Section 1. shall promptly notify the BMEC of:
 - (a) the failure of the Applicant to comply with any of the Specific Terms and Conditions set out in Section 4,
 - (b) the failure of the material, system or building design that is the subject matter of this Authorization to
 - (i) comply with any of the Specific Terms and Conditions set out in Section 4, or
 - (ii) provide a satisfactory level of performance in situ, or
 - (c) the occurrence of any of the events described in General Conditions 5.4.(a), (b), (e) or (f).
4. The BMEC may amend or revoke this Authorization at any time on its own initiative, or at the request of the Applicant specified in Section 1. Without restricting the foregoing, the BMEC may amend or revoke this Authorization where it determines that:
 - (a) any change has been made to:
 - (i) the name of the Applicant specified in Section 1,
 - (ii) the address or other contact name information of the Applicant specified in Section 1,
 - (iii) the ownership of the Applicant specified in Section 1,
 - (iv) the manufacturing facilities specified in Section 2,
 - (v) the material, system, or building design that is the subject matter of this Authorization, or
 - (vi) a test method relevant to this Authorization,
 - (b) the Applicant has failed to comply with any of the terms and conditions set out in this Authorization,

- (c) in the opinion of the BMEC, the use of the material, system or building design authorized herein provides an unsatisfactory level of performance in situ,
- (d) in the opinion of the BMEC, amendment or revocation of the Authorization is appropriate on the basis of potential danger to public health and safety,
- (e) the *Act* or Building Code has been amended, re-enacted or remade in a manner relevant to this Authorization,
- (f) this Authorization was issued on mistaken, false or incorrect information, or
- (g) a revision of an editorial nature is appropriate.

Dated at Toronto this 28th day of September, 2017

BUILDING MATERIALS EVALUATION COMMISSION

Leo Grellette
Chair, Building Materials Evaluation Commission

ENCLOSURES: APPENDIX A - SUPPORTING INFORMATION

Appendix A – Supporting Information

The following is a list of the documents that were submitted and reviewed, but were not limited to:

1. ASTM E84, Standard Test Method for Surface Burning Characteristic of Building Materials.
2. ASTM E84, Test results from Underwriters' Laboratories of Canada, Standard Test Method for Surface Burning Characteristic of Building Materials.
3. UL 1715, Fire Test of Interior Finishes Material.
4. UL 1715, Test results from Underwriters' Laboratories of Canada, Fire Test of Interior Finishes Material.
5. BOCA Commentary 803.3.1. and BOCA 2603.9.
6. Video Tape: Driangle, Room Burn, 35456, C1019, 01 February 2001.