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Ontario

**Building Materials Evaluation
Commission**

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

BMEC AUTHORIZATION: 07-01-331 DC1750 Access Floor Panel

Date of Authorization: February 22, 2007
Date of Amendment: November 30, 2017 *policy update*
Date of Expiry¹: November 30, 2022

1. Applicant

Aspmaxcess
880 Equestrian Court
Oakville, Ontario
L6L 6L7

Tel: 905 847-0138

2. Manufacturing Facility

880 Equestrian Court
Oakville, Ontario, L6L 6L7

3. Authorization

The Aspmaxcess's DC1750 Access Floor Panel (the "DC1750 Floor Panels") used in office type occupancies consist of a 600 mm x 600 mm panel (610 mm x 610 mm), which are made up of a nominal 25 mm thick high density composite core, encased with galvanized steel sheets that are structurally bonded with a thermosetting adhesive to both faces.

The panels are supported by adjustable steel pedestals. Each panel is bolted to the pedestals by means of a screw type fastener, or alternatively, for a computer room application, the panels are supported on four sides by a bolted stringer system.

A 0.607 mm thick gauge galvanized steel channel, nominally 15 mm x 12.7 mm x 600 mm, is attached in the field to any edge that is cut, ensuring that the DC1750 Floor Panel core is not exposed.

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 DC1750 Floor Panel is manufactured, designed, constructed, installed and maintained in accordance with the manufacturer's instructions and limitations, and the specific terms and conditions stated in this authorization the use of the DC1750 Floor Panel shall be deemed to not be a contravention of Sentence 3.1.5.1.(1) 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. This authorization is valid only for the Aspmaxcess.
2. This authorization is valid only for DC1750 Floor Access Panel.
3. The space under the DC1750 Floor Panels shall not be used for storage.
4. The DC1750 Floor Panels shall not be designed to carry a uniform live load greater than 16 kPa.
5. The subfloor, in which the DC1750 Floor Panels will be installed, shall be sufficiently constructed or deemed sufficient to carry the load of the DC1750 Floor Panels.
6. The DC1750 Floor Panels shall be installed as per "Aspmaxcess Installation of Raised Access Flooring", dated September 2006.
7. The DC1750 Floor Panels shall be installed on a noncombustible, floor slab or subfloor.
8. The maximum height of the cavity space below the DC1750 Floor Panels shall not be more than 915 mm measured from the underside of the DC1750 Floor Panels to the top of the supporting floor slab or noncombustible sub floor.
9. Fibre optic cables and electrical wires located in the space under the DC1750 Floor Panels shall not be considered as being protected against exposure to fire.
10. Where the DC1750 Floor Panels are cut during field installations the exposed edge shall be:
 - a) substantially covered by an electrical device box protruding through the floor panel,
 - b) positioned to abut interior construction surfaces and separated from the underfloor space by a continuous steel support channel, and
 - c) covered by an overlapping channel, having a nominal 25 gauge cold rolled G40 steel with a galvanized coating, which substantially covers the cut edge of the panel.

11. If the space below the DC1750 Floor Panels is used as a plenum, then:
 - a) except for optical fibre cables, electrical wires, and cables, then all materials within that space shall have a flame-spread rating of not more than 25 and a smoke developed classification of not more than 50,
 - b) optical fibre cables, electrical wires, and cables shall exhibit a flame spread not more than 1.5 m, a smoke density not more than 0.5 at peak optical density and a smoke density not more than 0.15 at average optical density when tested in conformance with the Flame and Smoke Test in the Appendix to CAN/CSA C22.2 No. 0.3, "Test Methods for Electrical Wires and Cables" (i.e., FT6 Rating), and
 - c) in addition to being noncombustible, all metal supports shall have a melting point not below 760°C.

5. General Conditions

1. The use of the DC1750 Floor Panel 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 30th day of November 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. Test Report – Bodycote Materials Testing Canada Inc., CAN/ULC-S102.2 Surface Burning Characteristics of “Access Panels”, dated January 17, 2006,
2. Test Report – Bodycote Materials Testing Canada Inc., CAN/ULC-S102.2 Surface Burning Characteristics of “DC1750 Cement Composite Core”, dated February 1, 2006.
3. Test Report – Entela, “CISCA 1987 Recommended Test Procedures for Access Floors”, dated April 27, 2004.
4. Installation Instructions - “Aspmaxcess Installation of Raised Access Flooring.”
5. Installation Instructions - “Aspmaxcess Installation of Raised Access Flooring”, dated September 2006.
6. Quality Control - “Standard Operating Procedures: QC-B012 Lamination Line DC1750 Bare Corner Bolt” dated May 21, 2006.
7. Aspmaxcess, Manufacturer’s Drawings:
 - (a) Corner Lock Panel
 - (b) Corner Lock System
 - (c) Corner Lock Systems Assembly
 - (d) Fastener
 - (e) BMEC Channel