

BUILDING MATERIALS EVALUATION COMMISSION  
(BMEC)  
AUTHORIZATION REPORT

DATE OF AUTHORIZATION  
BMEC REFERENCE  
BMEC APPLICATION #

MARCH 30, 2000  
BMEC 00-04-244  
BMEC A1999-17

**THERMA-TRU**

Therma-Tru Fiberglass Door Panels

1. **Applicant**

Therma-Tru Fiberglass Door Panels  
108 Mutzfeld Road  
Butler, IN  
46721 USA

Tel: (219) 868-5811  
Fax: (219) 868-5190

2. **Manufacturing Facilities**

Therma-Tru Fiberglass Door Panels  
108 Mutzfeld Road  
Butler, IN  
46721 USA

3. **Description**

Therma-Tru's three lines of fiberglass door panels (Classic-Craft, Fiber-Classic and Smooth-Star) are composed of two fiberglass skins attached to a foamed-in-place polyurethane core and wood stiles. Rails are manufactured from a rot-resistant and machineable wood/plastic composite material.

4. **Authorization Requested**

The applicant sought to have its line of innovative fiberglass door panels authorized as equivalent to that required by Part 9 of Ontario Regulation 403/97 (the "Ontario Building Code") for use as exterior doors.

## 5. Assessment

Reports and assessments provided by the applicant show that if Thema-Tru's three lines of fibreglass door panels are used in accordance with the limitations and conditions stated in this authorization, they will provide a level of performance that is at least equivalent to that required in Subsection 9.6.5. of the Ontario Building Code.

Reports submitted and reviewed:

1. Product Manual - Door System Specifications issued Dec 99.
2. Technical Manuals including:
  - SHOP 3 Door Preparation (pages 1-7) issued Oct 94
  - ARCH 2 Architectural Details (pages 1-13) issued Oct 94
  - PERF 1 Air Infiltration (page 1) issued Oct 94
  - PERF 2 Resistance to Water Penetration (page 2) issued Oct 94
  - PERF 3 Thermal Transmittance (pages 3-5) issued Oct 94
  - PERF 4 Sound Transmittance (page 6) issued Oct 94
  - PERF 5 Forced Entry Resistance (page 7) issued Oct 94
  - PERF 6 Insulated Glass Performance (page 8) issued Oct 94
  - PERF 8 Structural Wind Load (pages 11-12)
  - SITE 1 Installation Instructions (pages 1-8)
3. Catalog No. MAFL99 (pages 1-100)
4. Thermal Performance Test Report No: NCTL-110-4157-1 dated January 16, 1992, of National Certified Testing Laboratories (pages 1-4, summary and attachment).

5. Structural Performance Test Report No: NCTL-110-4157-5 dated December 20, 1991, of National Certified Testing Laboratories (pages 1-2).
6. Sound Transmission Loss Test RAL™-TL83-182 dated August 4, 1983, of Riverbank Acoustical Laboratories (pages 1-2)
7. Structural Performance Test Report No: NCTL-210-1752-1S,2S,3S dated August 14, 1995, of National Certified Testing Laboratories (pages 1-6).
8. Forced Entry Resistance Test Report No: NCTL-210-1752-1F,2F,3F dated August 14, 1995, of National Certified Testing Laboratories (pages 1-4).
9. Door Impact Test in accordance with ASTM F-476 Section 18 Grade 10 dated February 24, 2000, Intertek Testing Services (pages 1-4).

6. Authorization

The use of Therma-Tru's three lines of fibreglass door panels, namely the Classic-Craft, Fiber-Classic and Smooth-Star models are authorized as providing an equivalent exterior door to that required in Subsection 9.6.5. of the Ontario Building Code:

**A. SPECIFIC TERMS AND CONDITIONS:**

1. This authorization shall only apply to Therma-Tru's three lines of fibreglass door panels, namely the Classic-Craft, Fiber-Classic and Smooth-Star models.

**B. GENERAL CONDITIONS**

1. The BMEC may amend or revoke this Authorization where it determines that:
  - (a) any change has been made to:
    - (i) the material, system or building design that is the subject matter of this Authorization;
    - (ii) the address of the applicant specified in Section 1 of this Authorization; or,

- (iii) the ownership of the company specified in Section 1 of this Authorization.
  
- (b) the use of the material, system or building design authorized herein;
  - (i) does not comply with the Building Code Act, 1992 or any relevant legislation as they may be amended or re-enacted from time to time; or
  - (ii) provides an unsatisfactory level of performance, in situ; or
  
- (c) any Ontario Building Code provision relevant to this Authorization has been amended or remade.

Dated at Toronto this 30th day of March, 2000.

**BUILDING MATERIALS EVALUATION COMMISSION**

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per: Rashmi Nathwani, Chairman