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Date of Authorization	July 28, 2005
BMEC Authorization	05-07-311
BMEC Application	# A2005-07
Date of Revision	February 22, 2007

\* denotes revision of February 22, 2007

### Authorization Report: Home Slicker™

#### 1. Applicant

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#### 3. Description

The Home Slicker™ is a 6.35 mm (0.25 inches) thick non-absorbent 3-dimensional matrix, which is composed of extruded Nylon 6 filaments randomly oriented to form an open drainage material with a sinusoidal-shaped cross section.

The Home Slicker™ is mechanically fastened to create an additional optional layer between the cladding and the sheathing membrane.

The primary application of the Home Slicker™ is as an optional additional component of a cladding system. Home Slicker™ would be installed to increase performance in regard to the redirection of potential penetrating water and to the ventilation drying of exterior cladding.

#### 4. Authorization Requested

The Applicant sought authorization for the use the Home Slicker™ as an optional additional layer of a cladding system within the scope of Part 9 of the Building Code.

## 5. Assessment

Reports and assessments provided by the applicant show that if Home Slicker™ is designed, performance tested, installed and maintained in accordance with the limitations in the manufacturer's instructions and the conditions stated in this authorization, the level of performance required by the Building Code will be provided.

The reports submitted and reviewed, but were not limited to the following:

1. Code Compliance Report, prepared by Morrison Hershfield, November 2, 2004.
2. Colbond, Inc. Quality Control/Assurance Manual "Home Slicker & Cedar Breather" Products Manufactured for Benjamin Obdyke Inc.
3. Nova Scotia Home Builder Association " Builder/Renovator Alert Halifax Regional Municipality", October 7, 2005.
4. Bodycote Materials Testing Canada "Thickness, Density and Compressive Properties of Home Slicker Rainscreen", February 25, 2002.
5. Precision Geosynthetic Laboratories "Verification of Material Properties", April 30, 2002.
6. SGS US Testing Co. "ASTM D4632 and ASTM D433", October 14, 2003.
7. Bodycote Materials Testing Canada "ASTM E 84 Surface Burning Characteristics "Home Slicker™" Sheathing Material", March 11, 2002.
8. Precision Geosynthetic Laboratories "ASTM D4716", February 27, 2002.
9. Architectural Testing "Performance Test Report", July 16, 2004.
10. Bodycote Materials Testing Canada "Air Flow Characteristics of a Typical Exterior Wall Cavity Created using Home Slicker®", July 2, 2002.
11. Certianteed "Report: Wind Loading Test", January 23, 2003.
12. SGS US Testing Co. "ASTM E-732", December 5, 2002.
13. NRC/CNRC Client Report "Thermal Properties Determination of Home Slicker Drainage Plane Matte and An Air Layer of the Same Thickness in Both Horizontal and Vertical Positions" March 17, 2004.
14. Architectural Testing "Performance Test Report", October 1, 2004.
15. Manufacturer's Information "Home Slicker™: How Exterior Walls Stay Dry on the Inside."
16. Manufacturer's Information "Home Slicker™: How Exterior Walls Stay Dry on the Inside - Application and Architectural Drawings."

17. Engineering Letter, CertianTeed Corporation, January 23, 2003.
18. SGS® U.S. Testing Company Inc., Test Report 173140-6, December 5, 2002.

## 6. Authorization

The Home Slicker™ is authorized as part of an optional additional layer in a cladding system within the scope of Part 9 of the Building Code; all other requirements pertaining to the construction and installation are subject to the requirements of the Building Code, and are subject to the following specific terms and conditions of this Authorization:

### A. Specific Terms and Conditions

1. This Authorization is valid only for Benjamin Obdyke Incorporated.
2. The Home Slicker™ shall only be used in conjunction with those cladding materials listed in Articles 9.27.1.1. and 9.27.1.2. of the Building Code.
3. The Home Slicker™ was not evaluated for use with propriety wall assemblies such as exterior insulation and finish systems (EIFS), or insulated concrete form (ICFs), above or below grade.
4. The Home Slicker™ shall be installed as per the manufacturer's installation instructions, as they apply to those claddings listed in Articles 9.27.1.1. and 9.27.1.2. of the Building Code.
5. The Home Slicker™ shall not be used in a wall assembly, when the assembly is required to be of noncombustible construction.

### B. General Conditions

1. The use of the Home Slicker™ must comply with the *Building Code Act, 1992* as amended or re-enacted from time to time (the "BCA") and, except as specifically authorized herein, with the Building Code.
2. A copy of this Authorization shall be included with an application for a building permit and shall be posted and maintained on the site of the construction with the building permit.
3. The Applicant named in Section 1 hereof shall promptly notify the BMEC of:
  - (a) the failure of the Applicant, or of the material, system or building design that is the subject matter of this authorization, to comply with any of the terms and conditions set out in Section A. above; or
  - (b) the occurrence of any of the events described in Sections B. 4. (a) and (b) (ii) below.
4. 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 Applicant specified in Section 1 or of the companies specified in Section A 1.1 of this authorization.
- (b) the use of the material, system or building design authorized herein;
  - (i) does not comply with the BCA 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.
- (c) the Applicant, or the material, system or building design that is the subject matter of this Authorization, has failed to comply with any of the terms and conditions set out in Section A. above; or
- (d) any Building Code provision relevant to this authorization has been amended or remade.

- 5. Where the BMEC receives additional information concerning the material, system or building design authorized herein, the BMEC may review this Authorization and the BMEC may after the review amend or revoke this Authorization as in the opinion of the BMEC may be necessary.

Dated at Toronto this 28 day of July 2005.

## **BUILDING MATERIALS EVALUATION COMMISSION**

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Judy Beauchamp, Member