



### DÖRKEN SYSTEMS INC.

4655 Delta Way  
Beamsville, Ontario L0R 1B4  
[www.dorken.com](http://www.dorken.com)

### DELTA®-DRY & LATH and BORAL DRAIN ‘N’ DRY LATH

#### ADDITIONAL COMPANY NAME:

### BORAL STONE PRODUCTS, LLC

2256 Centennial Road  
Toledo, Ohio 43617  
<http://www.boralamerica.com>

#### CSI Section:

07 77 00 Wall Specialties  
09 22 36 Lath

## 1.0 RECOGNITION

DELTA®-DRY & LATH and BORAL DRAIN ‘N’ DRY (hereafter DELTA®-DRY & LATH) recognized in this report has been evaluated for use as a substrate to apply to cement plaster (Stucco). The structural performance, drainage efficiency and physical properties of the DELTA®-DRY & LATH complies with the intent of the provisions of the following codes and regulations:

- 2009 International Building Code® (IBC)
- 2009 International Residential Code® (IRC)

## 2.0 LIMITATIONS

Use of the DELTA®-DRY & LATH recognized in this report is subject to the following limitations:

**2.1** The DELTA®-DRY & LATH shall be installed in accordance with this evaluation report, the applicable code, and the manufacturer’s published installation instructions. If there are any conflicts, the more restrictive governs.

**2.2** Design wind loads resisted by the DELTA®-DRY & LATH system described in this report shall be determined in accordance with the applicable code and shall not exceed the allowable transverse loads for cement plaster (stucco) specific in Chapter 25 of the IBC or Chapter 7 of the IRC, as applicable.

**2.3** In accordance with Section 3.0 of this report, installations covered by this report are limited to use in Type V-B construction for the IBC and dwellings constructed in accordance with the IRC, as applicable.

**2.4** Use of DELTA®-DRY & LATH with claddings other than cement plaster (stucco) or adhered thin masonry veneer is outside the scope of this report.

**2.5** Use of DELTA®-DRY & LATH as a component of a manufactured stone veneer system shall be acceptable to the manufacturer of the manufactured stone veneer system.

**2.6** DELTA®-DRY & LATH recognized in this report is produced by Dörken Systems Inc. in Ontario, Canada.

## 3.0 PRODUCT USE

**3.1 General:** DELTA®-DRY & LATH and BORAL DRAIN ‘N’ DRY (hereafter DELTA®-DRY & LATH) is used as a substrate to apply cement plaster (Stucco) complying with the Chapter 25 of the IBC or Chapter 7 of the IRC, as applicable, and to provide a means of draining water to the exterior that enters a cement plaster or adhered thin veneer masonry wall cladding, as required by IBC Section 1403.2 or IRC Section R703.1.1, as applicable. DELTA®-DRY & LATH is used in exterior wall systems in Type V-B construction under the IBC and dwellings constructed in accordance with the IRC, as applicable.

**3.2 Design:** DELTA®-DRY & LATH is installed in accordance with this report, the applicable code and manufacturer’s published installation instructions. Where conflicts occur, the more restrictive governs. The manufacturer’s published installation instructions shall be available and strictly adhered to at all times on the jobsite during installation.

DELTA®-DRY & LATH may be installed over wood-based sheathing with a single layer of water-resistive barrier with a water resistance equal to or greater than that of a 60-minute Grade D paper, as described in the Exception to Section 2510.6 of the IBC, or the Exception to Section R703.6.3 of the IRC, or a single layer of 10-minute Grade D building paper.

**3.3 Installation:** DELTA®-DRY & LATH shall be fastened over wood-based sheathing to wood studs placed a maximum of 24 inches on center (610 mm). Fasteners shall be No. 11 gauge 1½ inch long (12.7 mm) roofing nails or staples with a 1-inch (25.4 mm) wide crown x 1¾ inch (44 mm) leg length. Fasteners shall engage the lath and be installed into the studs and spaced a maximum of 6-inches (152 mm) on center.

DELTA®-DRY & LATH may be fastened directly to concrete and masonry in accordance with IBC Section 1510.3 and IRC Section R703.6.1, as applicable. Fasteners shall be spaced a maximum of 6 inches (152 mm) on center vertically and 16 inches (406 mm) on center horizontally. The gravity load (shear) capacity and negative wind load (pull-out) capacity of proprietary fasteners shall be justified to the satisfaction of the code official.

The product described in this Uniform Evaluation Service (UES) Report has been evaluated as an alternative material, design or method of construction in order to satisfy and comply with the intent of the provision of the code, as noted in this report, and for at least equivalence to that prescribed in the code in quality, strength, effectiveness, fire resistance, durability and safety, as applicable, in accordance with IBC Section 104.11. This document shall only be reproduced in its entirety.





The horizontal and vertical joints of the DELTA®-DRY & LATH dimpled plastic sheets are side-lapped together with no overlap. The Glass Fiber Lath shall overlap by a minimum of 1 inch (25.4 mm) at end laps and side laps. Weep screeds and other components of a cement system shall be installed in accordance with the code. Cement plaster (stucco) shall be installed in accordance with Chapter 25 of the IBC or Chapter 7 of the IRC, as applicable.

#### 4.0 PRODUCT DESCRIPTION

DELTA®-DRY & LATH consists of a dimpled profile, high-density polyethylene plastic with a layer of glass fiber lath bonded on one face. DELTA®-DRY & LATH has an 11-millimeter (0.43 inch) profile, a nominal weight of 10.2 pounds per 100 square feet (55 g/m<sup>2</sup>) and is provided in 39.4 inches (1.00 m) wide rolls. The glass fiber lath is self-furring with vertical and horizontal fibers.

#### 5.0 IDENTIFICATION

The DELTA®-DRY & LATH and BORAL DRAIN 'N' DRY product is identified by a label on the container of each roll, or by printing on the product, that includes the report holder's name (Dörken Systems Inc. or Boral Stone Products, LLC), manufacturing location (Beamsville, Ontario, Canada), product name (DELTA®-DRY & LATH or BORAL Drain 'N' Dry), product size, date of manufacture, and the Uniform Evaluation Report number (ER-323).



IAPMO UES ER-323

#### 6.0 SUBSTANTIATING DATA

6.1 Data in accordance with the ICC-ES Acceptance Criteria for Moisture Drainage Systems Used with Exterior Cement Plaster or Adhered Masonry Veneer Walls, (AC356), dated October 2009.

6.2 Data in accordance with the ICC-ES Acceptance Criteria for Glass Fiber Lath Used in Cementitious Exterior Wall Coatings or Exterior Cement Plaster (Stucco) (AC275), dated April 2011, editorially corrected August 2013).

#### 7.0 STATEMENT OF RECOGNITION

This evaluation report describes the results of research carried out by IAPMO Uniform Evaluation Service on Dörken Systems Inc. DELTA®-DRY & LATH and BORAL DRAIN 'N' DRY to assess conformance to the codes shown in Section 1.0 of this report, and serves as documentation of the product certification. Products are manufactured at the location noted in Section 2.6 of this report under a quality control program with periodic inspections under the surveillance of IAPMO UES.

**Brian Gerber, P.E., S.E.**  
Vice President, Technical Operations  
Uniform Evaluation Service

**Richard Beck, PE, CBO, MCP**  
Vice President, Uniform Evaluation Service

**GP Russ Chaney**  
CEO, The IAPMO Group

For additional information about this evaluation report please visit [www.uniform-es.org](http://www.uniform-es.org) or email us at [info@uniform-es.org](mailto:info@uniform-es.org)