



DÖRKEN SYSTEMS INC.
4655 Delta Way
Beamsville, Ontario L0R 1B4
Canada
www.dorken.com

DELTA®-DRY
DELTA®-DRY STUCCO & STONE

CSI Section:
07 77 00 Wall Specialties

1.0 RECOGNITION

DELTA®-DRY and DELTA®-DRY STUCCO & STONE recognized in this report have been evaluated for use as a method for draining water from a cement plaster (stucco) or adhered masonry veneer system. The drainage efficiency and physical properties of the DELTA®-DRY and DELTA®-DRY STUCCO & STONE comply with the intent of the provisions of the following codes and regulations:

- 2021, 2018, and 2015 International Building Code® (IBC)
- 2021, 2018, and 2015 International Residential Code® (IRC)
- 2022 California Building Code (CBC) - attached Supplement
- 2022 California Residential Code (CRC) - attached Supplement
- 2023 City of Los Angeles Building Code (LABC) - attached Supplement
- 2023 City of Los Angeles Residential Code (LARC) - attached Supplement
- 2023 Florida Building Code, FBC, Building (FBC, Building) – attached Supplement
- 2023 Florida Building Code, FBC, Residential (FBC, Residential) – attached Supplement

2.0 LIMITATIONS

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

2.1 The DELTA®-DRY and DELTA®-DRY STUCCO & STONE 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 or DELTA®-DRY STUCCO & STONE 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 Installations 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 and DELTA®-DRY STUCCO & STONE with claddings other than cement plaster (stucco) or adhered masonry veneer is outside the scope of this report.

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

2.6 Evaluation (wind loads, weather resistance, etc.) of the exterior cement plaster or adhered masonry veneer installed over the DELTA®-DRY or DELTA®-DRY STUCCO & STONE is outside the scope of this report.

2.7 DELTA®-DRY and DELTA®-DRY STUCCO & STONE recognized in this report are produced by Dörken Systems Inc. in Beamsville, Ontario, Canada.

3.0 PRODUCT USE

3.1 General: DELTA®-DRY and DELTA®-DRY STUCCO & STONE are for draining water from a cement plaster (Stucco) or adhered masonry veneers complying with Chapter 25 of the IBC or Chapter 7 of the IRC, as applicable. They provide a means of draining to the exterior water that enters a cement plaster or adhered masonry wall cladding.

3.2 Design: The gravity load (shear) capacity and negative wind load (pull-out) capacity of proprietary fasteners shall be justified to the satisfaction of the building official.

3.3 Installation: DELTA®-DRY and DELTA®-DRY STUCCO & STONE are installed in accordance with this report, the applicable code, and the manufacturer’s published installation instructions. Where conflicts occur, the more restrictive governs. The manufacturer’s published installation instructions shall be available at all times on the jobsite during installation.

For installations over wood-based sheathing with a cement plaster (stucco) veneer, DELTA®-DRY and DELTA®-DRY STUCCO & STONE shall be installed over a water-resistive barrier in accordance with Section 2510.6 of the IBC or Section R703.7.3 of the IRC, as applicable.

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.





For installations over wood-based sheathing with an adhered masonry veneer, DELTA[®]-DRY and DELTA[®]-DRY STUCCO & STONE shall be installed over a water-resistive barrier in accordance with Section 2510.6 of the IBC or Section R703.12.3 of the IRC, as applicable.

For installations with exterior veneers other than cement plaster (stucco) veneer or adhered veneer, a water-resistive barrier in accordance with Section 1403.2 of the IBC (Section 1404.2 of the 2015 IBC) or Section R703.2 of the IRC, as applicable, shall be installed.

3.3.1 DELTA[®]-DRY: DELTA[®]-DRY is attached to the wood sheathing with corrosion-resistant screws or roofing nails spaced at no more than 24 inches (610 mm) on center in the field and at no more than 12 inches (305 mm) on center along the vertical and horizontal edges. DELTA[®]-DRY is placed with the blue stripe facing the exterior of the building.

3.3.2 DELTA[®]-DRY STUCCO & STONE: DELTA[®]-DRY STUCCO & STONE is attached to the wood sheathing with corrosion-resistant screws or roofing nails spaced at no more than 24 inches (610 mm) on center in the field and at no more than 12 inches (305 mm) on center along the vertical and horizontal edges. DELTA[®]-DRY is placed with the blue stripe facing the exterior of the building.

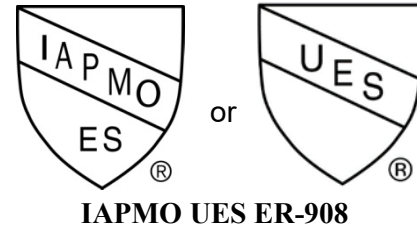
4.0 PRODUCT DESCRIPTION

4.1 DELTA[®]-DRY: DELTA[®]-DRY is a 3-dimensional rainscreen membrane made of high-density polyethylene. It provides two-sided drainage and ventilation through a dimple and groove design. It has a nominal weight of 1.7 ounces per square foot (525 g/m²) and is provided in rolls 50 feet (15 m) long by 39 inches (1 m) wide.

4.2 DELTA[®]-DRY STUCCO & STONE: DELTA[®]-DRY STUCCO & STONE is a 3-dimensional ventilated rainscreen membrane with a pre-installed mortar screen. DELTA[®]-DRY STUCCO & STONE has a heat-bonded polypropylene fabric layer bonded on the weather side. The weather side is identified with a blue stripe. It provides two-sided drainage and ventilation through a dimple and groove design. It has a nominal weight of 11.4 pounds per 100 square feet (55 g/m²) and is provided in rolls 46 feet (14 m) long by 39 inches (1 m) wide. DELTA[®]-DRY STUCCO & STONE T has a 10.5 mm (0.4 inch) profile.

5.0 IDENTIFICATION

The DELTA[®]-DRY RAINSCREEN DRAINAGE Systems are 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.), manufacturing location (Beamsville, Ontario, Canada), product name, product size, date of manufacture, and the Evaluation Report number (ER-908). Either IAPMO UES Mark of Conformity may also be used as shown below:



6.0 SUBSTANTIATING DATA

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

6.2 Test reports are from laboratories in compliance with ISO/IEC 17025.

7.0 STATEMENT OF RECOGNITION

This evaluation report describes the results of research completed by IAPMO Uniform Evaluation Service on Dörken Systems Inc. DELTA[®]-DRY and DELTA[®]-DRY STUCCO & STONE 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 2.7 of this report under a quality control program with periodic inspections under the surveillance of IAPMO UES.

For additional information about this evaluation report please visit www.uniform-es.org or email us at info@uniform-es.org



CALIFORNIA SUPPLEMENT

DÖRKEN SYSTEMS INC.
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CSI Section:
07 77 00 Wall Specialties
09 22 36 Lath

1.0 RECOGNITION

The DELTA®-DRY and DELTA®-DRY STUCCO & STONE described in ER-908 and this supplement report have been evaluated for use as a method for draining water from a cement plaster (stucco) or adhered masonry veneer system. The drainage efficiency and physical properties of DELTA®-DRY and DELTA®-DRY STUCCO & STONE as noted in this supplement comply with the intent of the provisions of the following codes:

- 2022 California Building Code (CBC)
- 2022 California Building Code (CRC)

2.0 LIMITATIONS

Use of DELTA®-DRY and DELTA®-DRY STUCCO & STONE recognized in this supplement is subject to the following limitations:

2.1 The DELTA®-DRY and DELTA®-DRY STUCCO & STONE shall comply with the provisions applicable to the 2021 IBC or 2021 IRC as described in ER-908.

2.2 Design requirements shall be determined in accordance with the applicable code.

2.3 The DELTA®-DRY and DELTA®-DRY STUCCO & STONE have not been evaluated for use in the exterior design and construction of new buildings located within a Wildland-Urban Interface Fire Area described in Section 701A.1 and 707A of the CBC.

2.4 The DELTA®-DRY and DELTA®-DRY STUCCO & STONE have not been evaluated for use in the exterior design and construction of new buildings located within a Wildland-Urban Interface Fire Area described in Section R337.1 of the CRC.

2.5 This supplement expires concurrently with ER-908.

For additional information about this evaluation report please visit www.uniform-es.org or email at info@uniform-es.org



CITY OF LOS ANGELES SUPPLEMENT

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1.0 RECOGNITION

The DELTA[®]-DRY and DELTA[®]-DRY STUCCO & STONE described in ER-908, the California Supplement to ER-908, and this supplement report have been evaluated for use as a method for draining water from a cement plaster (stucco) or adhered masonry veneer system. The drainage efficiency and physical properties of DELTA[®]-DRY and DELTA[®]-DRY STUCCO & STONE as noted in this supplement comply with the intent of the provisions of the following codes:

- 2023 City of Los Angeles Building Code (LABC)
- 2023 City of Los Angeles Residential Code (LARC)

2.0 LIMITATIONS

Use of DELTA[®]-DRY and DELTA[®]-DRY STUCCO & STONE recognized in this supplement is subject to the following limitations:

2.1 The DELTA[®]-DRY and DELTA[®]-DRY STUCCO & STONE shall comply with the provisions applicable to the 2022 CBC or 2022 CRC as described in the California supplement to ER-908.

2.2 Design requirements shall be determined in accordance with the applicable code.

2.3 This supplement expires concurrently with ER-908.

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FLORIDA SUPPLEMENT

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- 2023 Florida Building Code, Building (FBC-Building)
- 2023 Florida Building Code, Residential (FBC-Residential)

2.0 LIMITATIONS

Use of DELTA[®]-DRY and DELTA[®]-DRY STUCCO & STONE recognized in this supplement is subject to the following limitations:

2.1 Design requirements shall be determined in accordance with the applicable code.

2.2 The DELTA[®]-DRY and DELTA[®]-DRY STUCCO & STONE shall comply with the provisions applicable to the 2021 IBC or 2021 IRC as described in ER-908.

2.3 Use of DELTA[®]-DRY and DELTA[®]-DRY STUCCO & STONE in the High-velocity Hurricane Zone (HVHZ) is outside the scope of this report.

2.4 For products falling under Section (5)(d) of Florida Rule 61G20-3.008, verification is required that the report holder's quality assurance program is audited by a quality assurance entity, approved by the Florida Building Commission (or the building official when the report holder does not possess an approval by the Commission), to provide oversight and determine that the products are being manufactured as described in this evaluation report to establish continual product performance.

2.5 This supplement expires concurrently with ER-908.

For additional information about this evaluation report please visit www.uniform-es.org or email at info@uniform-es.org