

TECHNICAL DATA SHEET

DELTA®-DRY & LATH

Ventilated Rainscreen with Pre-installed Glass Lath for Manufactured Stone and Conventional Stucco Claddings.

MATERIAL

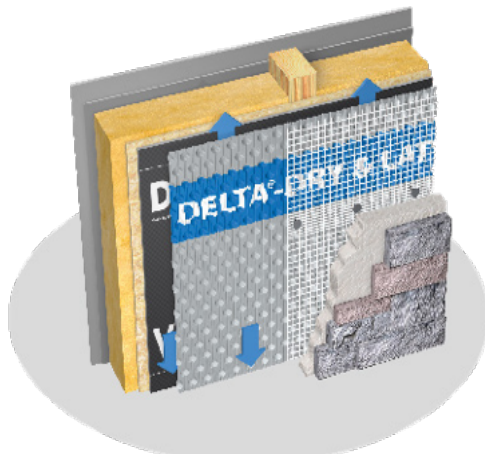
DELTA®-DRY & LATH is a 3-dimensional rainscreen membrane made out of a special high-density polyethylene. It provides two-sided drainage and ventilation through its unique dimple and groove design. DELTA®-DRY & LATH has a pre-installed glass lath which makes it ideal for absorptive claddings. The alkali-resistant (AR) glass lath replaces the wire lath for the application of the scratch coat.

PROPERTIES

The structured membrane provides drainage and ventilation, as well as a complete capillary break behind the cladding. It protects the building enclosure from bulk water intrusion (i.e. wind-driven rain), and manages incidental water leakage through the cladding. As well, DELTA®-DRY & LATH captures and drains transient moisture migrating through the wall structure. DELTA®-DRY & LATH provides an air-gap on the interior and exterior side of the membrane for drainage and ventilation. It allows water vapor, driven from the interior to the exterior of the structure, to escape through the ventilated air space between the sheathing and the membrane. At the same time, DELTA®-DRY & LATH minimizes the potential for condensation that could cause damage within the building enclosure. The membrane provides drying potential through ventilation behind any approved exterior cladding. DELTA®-DRY & LATH impedes solar-driven moisture towards the interior of the structure as occurs with absorptive cladding materials like adhered manufactured stone veneer and conventional stucco. DELTA®-DRY & LATH reduces labor costs when used with claddings requiring a scratch coat. The 3-dimensional membrane and the glass lath are placed in a single installation procedure. The pre-installed AR glass lath is in compliance with ICC-ES AC 275.

APPLICATION

DELTA®-DRY & LATH is installed outboard of the water-resistive barrier over sheathing. The material cuts easily with a utility knife. Glass lath is overlapped at seams. Manufactured stone and conventional stucco are installed as per manufacturer's instructions.



Technical Data

Product name	DELTA®-DRY & LATH	
Color	Gray	
Material	High-density polyethylene, stabilized (oxidation & UV), with alkali-resistant woven glass lath	
Dimple height	approx. 2/5" (10.5 mm)	ASTM D1777-96
Compressive strength	93 kPa (1,946 psf) @ 8 % strain	ASTM D6364-06
Drainage efficiency	approx. 95%	ASTM E2273-03
Fungus resistance	Does not support fungal growth	ASTM C1338
Flame spread	210	CAN/ULC-S102.2
Smoke developed	105-190	CAN/ULC-S102.2
Water penetration resistance	813 kPa (118 psi) Watertight	AATCC 127
Water vapor transmission	22 ng/(Pa s m²)	ASTM E96, Method A
Vapor Permeance	0.14 perms [grains/h/ft²/in Hg]	ASTM E96, Method A
Contact surface of rainscreen to WRB	less than 20% greater than 80% open	
Chemical properties	excellent chemical resistance, rot-proof	
Toxicity	non-toxic, non-polluting	
Ventilation/Airflow	1.18 L/s @ 10Pa* 1.41L/s @ 10Pa**	ASTM E2954-14
Drainage	1.94% * 0.65% **	ASTM E2954-14
Thickness	PASS	ASTM D5199-14
Compression Strength	123.2 kPa	ASTM D5199-12
UV Exposure	PASS	ASTM D6363-06
Heat Aging	PASS	ASTM D6364-06
Mold/Fungal Growth	No Mold	ASTM D1338-14
Water Exposure	PASS	ASTM D6364-06
Transverse load	Exceeds code-prescribed wire lath system requirements	ICC-ES AC 11 System Combination
Attachment	≥ 48 lbs	ICC-ES AC 275 System Combination
Fastener attachment	≥ 85 lbs	ICC-ES AC 275 System Combination
Embedment	≥ 0.12"	ICC-ES AC 275 System Combination
Tensile strength (glass lath only)	Minimum 120 lbs	ICC-ES AC 275
Transverse load (mesh)	≥75 psf - PASS	ASTM C1764 Section 9.1 as per ASTM C1788
Vertical Load	"≥7 lb/fastener - PASS"	ASTM C1764 Section 9.1as per ASTM C1788
Embedment	Minimum of ¼-inch - PASS	ASTM C1764 Section 9.3 as per ASTM C1788
Fastener Pull Through Resistance	≥85 plf - PASS	ASTM C1764 Section 9.4 as per ASTM C1788
Alkali Resistance / Tensile Breaking Strength	≥120 pli - PASS	ASTM C1764 Section 9.5 as per ASTM C1788
Temperature range	-30°C to +80°C (-22°F to +176°F)	
Roll weight	approx. 11.8 kg (26 lbs)	
Roll length	14 m (46 ft)	
Roll width	1.0 m (3'-3")	

*Test Results performed with NO DELTA®-BUG SCREEN

**Test Results performed with DELTA®-BUG SCREEN

DELTA® products support sustainable and energy-efficient building practices, including efforts toward achieving LEED® certification (LEED® for New Construction & Major Renovations, LEED® for Core and Shell, LEED® for Existing Buildings and LEED® for Homes). For technical support, call our technical support team at 1-888-4DELTA4 (1-888-433-5824) extension 326, or visit www.dorken.com.