E-Screen (Drainage Mat)

Rainscreen Drainage Mat for Exterior Finishes

ClarkDietrich E-Screen can be used in stucco, stone veneer, brick, or under various siding installations to provide an effective method for drainage and ventilation in the wall system. Moisture penetration is a prevalent issue in these wall systems and creates a range of problems from cracking to complete failure of the wall. Without rainscreen, once the moisture has intruded past the outer surface of the wall, it becomes trapped in the system and creates issues with rusting and mold growth that can structurally compromise the system.

By using ClarkDietrich E-Screen, the water inside the wall is drained away more efficiently and the increased ventilation properties allows the system to dry out more effectively.

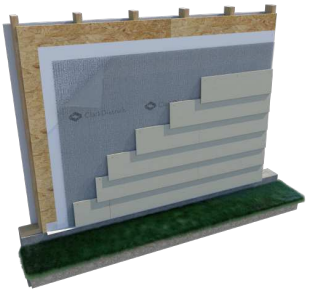
Key Features

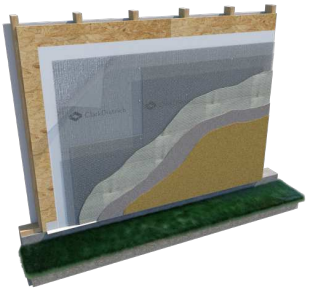
- 95% open design creates a continuous capillary break and a channel for moisture to drain away from the wall system while accelerating the drying time
- The durable polymer material is corrosion-resistant, rust-proof and mildew/mold-resistant
- Minimizes cracking, staining, peeling, and blistering of exterior finishes
- Easy to Install – more cost effective and easier to install than traditional furring methods
- The 2-Ply design is comprised of a backer fabric that deflects the stucco away from the open design and improves the tensile and compressive strength properties of the rainscreen – this fabric also provides a built-in insect screen
- Patent Pending

Product Data & Ordering Information:

	E-Screen 6mm	E-Screen 10mm
Core Material:	Polypropylene (Cornrow)	Polypropylene (Waffle)
Thickness:	.25 in (6mm)	.40 in (10mm)
Roll Length:	61.5 ft (18.75m)	40 ft (12.19m)
Roll Width:	39 in (99.06cm)	39 in (99.06cm)
Roll Weight:	14 lbs (6.35kg)	16 lbs (7.26kg)
Coverage Area:	200 sq. ft. (18.58m^2)	130 sq. ft. (12.08m^2)

Mortar Deflection, Ventilation & Drainage Mat Options	E-Screen 6mm	E-Screen 10mm
Mortar Deflection & Ventilation Material Thickness	.25 in (6mm)	.40 in (10mm)
Density/Specific Gravity (ASTM D792, Method A)	0.901 g/cm^3	0.903 g/cm^3
Porosity (Open Space) ECTCTASC00197	93.80%	95.30%
Mass / Unit Area (Composite) (ASTM D 5261 / ASTM D 6566)	11.25 oz/sq yd	15.10 oz/sq yd
Hydraulic Transmissivity (ASTM D 4716)	4.22 gpm/ft width	7.01 gpm/ft width
Air Transmissivity (ASTM D 4716, mod)	15.8 cu. ft/min/ft width	54.5 cu. ft/min/ft width
Flame Spread & Smoke Index (ASTM E84)	Class A Fire Rated	Class A Fire Rated





ClarkDietrich E-Screen 10mm product meets the physical requirements of Section 9.272.2, Item 1b of the 2005 National Building Code of Canada and 2006 British Columbia Building Code.

Installation Instructions:

- Apply the weather resistive barrier over the sidewall sheathing (some areas require 2 layers of WRB, check your local codes)
- Install ClarkDietrich E- Screen after the windows and doors have been installed and properly flashed. Start at the base of the wall and unroll rain screen from right to left with the 4” fabric flap at the bottom of the wall. The three-dimensional (blue side) polymer matrix faces in towards the WRB and the grey fabric side faces out towards the exterior of the building. Install with staples or nails every 3 square feet.
- On the first (bottom) course only, unfold the 4” fabric flap and tuck it between the blue polymer matric and the weather resistive barrier to create an insect screen.
- On intermediate courses, the blue polymer material should be butted together tightly without overlapping. Pull the subsequent 4" flaps over the previous course (like you would a shingle) and staple in place every 3 square feet.
- On the top course, invert the roll and unroll left to right with the 4" fabric flap at the top. Unfold the fabric flap and tuck it between the blue matrix and the weather resistive barrier to create an insect screen.
- Apply your chosen siding or finish material over the rain screen using the manufacturers’ recommended fasteners and spacing.