



Optimum WaterMaster XPS is an adhesively attached drainage CI system that offers energy efficiency; light weight, versatile design; and economical installation. This system incorporates an air & water-resistive barrier and a means of drainage achieved through vertical ribbons of adhesive applied to the back of the insulation boards, providing a large drainage plane for incidental moisture. The air & water-resistive barrier is a liquid-applied membrane, used for both joint treatment and field surface area application, that significantly reduces air leakage, maximizes energy efficiency and eliminates the potential of rips and tears while exposed to the elements during construction. This liquid applied barrier, when functioning as an air barrier, allows climate control systems to operate more efficiently by preventing transmission of conditioned air out & outside air in. The system is finished in Parex's Optimum DPR Finish.

Suitable Types of Construction

Non-combustible
Combustible
Fire-Resistance Rated Walls
Application Type
Application Orientation
NFP 285 Compliant

Residential
 Residential
 Residential
 New
 Exterior Only
 Compliant

Commercial
 Commercial
 Commercial
 Renovation

Substrates

Glassmat Gypsum Sheathing
Gypsum Sheathing
Exposure 1 OSB¹

Cement Fiber Sheathing
Concrete & CMU
CDX Plywood²

¹Regional restrictions apply. For OSB applications outside of approved regions, use Parex Standard WaterMaster LCR.
²See Tech Bulletin TB008 and TB011.

Code Approvals

ICC ESR-2562
City of Los Angeles RR 25778
City of New York MEA 176-08M

Miami-Dade NOA No. 11-1207.02
Florida Non-HVHZ FL12487
State of Wisconsin 200208-I

System Notes

- Drainage CI is an exception to special weather-barrier inspections; however, some jurisdictions may supersede this exception.
- CI is a non-structural cladding. It depends on the substrate wall for support and attachment. Substrate construction must resist all design loads.
- Sheathing attachment to framing must resist design negative wind loads; loads are transferred to the framing. Appropriate safety factors must be applied.
- All penetrations & non-draining terminations of the system must be made weather tight.

Components

➤ WRB, Joint Treatment & Flashing

- ParexUSA WeatherSeal Spray & Roll-On
- ParexUSA 396 Sheathing Tape or 365 Flashing Membrane

OR

- ParexUSA WeatherFlash Waterproof Filler

➤ Termination Weep Strip

- ParexUSA 369 DrainEdge

➤ WRB, Field Substrate

- ParexUSA WeatherSeal Spray & Roll-On
- ABAA Evaluated
- ESR-2045

The following WRB formulation options are available to meet specific project conditions and climate zone considerations:

- Class I – WeatherBlock
- Class III – WeatherDry, WeatherSeal Trowel-On
- Permeable - WeatherSeal Spray & Roll-On, WeatherSeal SB

➤ Insulation Board

- Extruded Polystyrene (XPS), Dow Panel Core 20 1" minimum

Contact Technical Support for additional information

➤ Basecoat & Adhesive

- A Parex 121 Optimum Basecoat & Adhesive
Select the Parex 121 Optimum Wet or Dry or 121 Dry HI

Optimum products provide enhanced long-term performance.

Use Parex 121 Dry HI for additional impact resistance performance.

➤ Reinforcing Mesh

- 4.5 oz to 20 oz available*

Adjust to suit impact resistance requirements

Standard Impact Resistance, 25-49 in-lbs (2.8-5.6 J)

Intermediate Impact Resistance, 50-89 in-lbs (5.7-10.1 J)

High Impact Resistance, 90-150 in-lbs (10.2-17.0 J)

Ultra High Impact Resistance, >150 in-lbs (>17.0 J)

*Use

4.5 oz mesh = Standard impact resistance

4.5 oz + 12 oz mesh = Intermediate impact resistance

4.5 oz + 15 oz mesh = High impact resistance

4.5 oz + 20 oz mesh = Ultra High impact resistance

(Material & labor saving options are possible with the use of Parex 121 HI. See Parex 121 HI Technical Data Sheet for more information)

➤ Primer (optional)

- A ParexUSA primer suitable for finish selected

The use of primer enhances appearance and uniformity of the finish, improves finish coverage rates, helps prevent efflorescence, and promotes adhesion.

➤ Finish or Coating

- A Parex Optimum DPR acrylic finish

Optimum products enhance long-term performance and extend warranty options.

PAREX®

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