



WaterMaster LCR CI system is a mechanically attached drainage systems that offer energy efficiency; light weight, versatile design; and economical installation. These assemblies incorporate a water-resistive barrier wrap that creates a drainage plane for incidental moisture to migrate down and out of the wall assembly.

WaterMaster LCR - DM CI systems incorporate a 3-dimensional drainage mat to promote drainage and air movement.

WaterMaster LCR – GX CI systems incorporate the use of molded, grooved drainage board to create drainage channels to promote drainage.

Suitable Types of Construction

Combustible

Residential

Commercial

Application Type
Application Orientation
NFP 285 Compliant

New
 Exterior Only
 Compliant

Renovation

Use is generally limited to design-negative windloads not over 29 lbs psf.

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, contact ParexUSA Technical Support.

²See Tech Bulletin TB008 and TB011.

Code Approvals

ICC ESR-1689
State of Florida FL12488

State of Wisconsin 200208-I

System Notes

- Drainage CI is an exception to special weather-barrier inspections; however, some jurisdictions may supersede this exception.
- Flashing membrane must be installed in rough openings before windows, doors, etc. Flashings that are counter-flashed by CI (e.g., kick-outs, deck flashings, etc.) must be installed before the CI.
- 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 windloads; 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**

- 365 Flashing Membrane
- DuPont StuccoWrap or DrainWrap*

*Other code compliant WRBs must be used with a means of drainage.

➤ **Drainage Plane (DM and GX assemblies)**

- Three Dimensional Drainage Mat
- Grooved Insulation Board

➤ **Mechanical Fasteners, Polypropolyne**

- Wind-lock Devil 2 Fasteners
- Demand Products PB Washer, 2" diameter
- ITW Buildex GridMate PB, 2" diameter
- Rodenhouse Plasti-Grip or Grip-Lock Washer
2-3" diameter

➤ **Insulation Board**

- Expanded Polystyrene (EPS), minimum 3/4" after rasping

2 to 4 inches meets most current code requirements.

➤ **Basecoat & Adhesive**

- A Parex 121 Basecoat & Adhesive
Select the formulation most suitable
for project requirements

Optimum products provide enhanced long-term performance and extended warranty options.

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 DPR acrylic finish

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

➤ **Sealers**

- A ParexUSA sealer (Optional)

Primarily used with specialty finishes.

PAREX®

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