**WaterMaster LCR Drainage**

**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.

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### Suitable Types of Construction

**Combustible**  
- ☑ Residential  
- ☑ Commercial

<table>
<thead>
<tr>
<th>Application Type</th>
<th>☑ New</th>
<th>☑ Renovation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Application Orientation</td>
<td>☑ Exterior Only</td>
<td></td>
</tr>
</tbody>
</table>

*Use is generally limited to type V construction and to design-negative windloads not over 29 lbs psf.*

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### 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.

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### Code Approvals

- ICC ESR-1689  
- State of Florida FL12488  
- State of Wisconsin 200208-I

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### 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, Polypropylene
- 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

<table>
<thead>
<tr>
<th>Impact Resistance</th>
<th>Mesh Combination</th>
</tr>
</thead>
<tbody>
<tr>
<td>Standard Impact Resistance</td>
<td>4.5 oz mesh</td>
</tr>
<tr>
<td>Intermediate Impact Resistance</td>
<td>4.5 oz + 12 oz mesh</td>
</tr>
<tr>
<td>High Impact Resistance</td>
<td>4.5 oz + 15 oz mesh</td>
</tr>
<tr>
<td>Ultra High Impact Resistance</td>
<td>4.5 oz + 20 oz mesh</td>
</tr>
</tbody>
</table>

*Use
- 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 Parex USA 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.

### Sealer
- A Parex USA sealer (Optional)

Primarily used with specialty finishes.