SAVES YOU TIME AND MONEY

ISOGARD HD Composite consists of a ½" ISOGARD HD coverboard laminated directly to Firestone Building Products ISO 95+™ GL polyisocyanurate insulation. By combining these two proven products in an in-line manufacturing process, the building owner receives a high performing, energy efficient insulation board that also saves the installer time and labor.

BENEFITS

Saves Time
- Ideal for both new construction and reroof applications
  » Available in 1.5” to 4.5” total thickness
  » 4’ x 8’ and 4’ x 4’ board sizes
  » Three coated glass facers provide resistance to mold
- FM Approved
  » Reduces fastening pattern
  » For use in both hurricane & non hurricane prone areas (I-90 wind uplift performance using 8 fasteners per 4’x 8’ board)
- Higher R values = higher energy efficient installations

Saves Money
- 1 application = significant reduction in labor & material costs (One less adhesive layer and fewer fasteners needed)
- Can assist in providing potential LEED® credits
  » Energy and Atmosphere: EA Credit 1 – Optimize Energy Performance
  » Materials and Resources: MR Credit 5 – Regional Materials
- Achieves excellent hail ratings
- Compatible with all Firestone roof membranes

INSTALLED INSULATION SAVINGS

10-15% Insulation Savings

<table>
<thead>
<tr>
<th>Traditional</th>
<th>HD Composite</th>
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</thead>
<tbody>
<tr>
<td>Labor</td>
<td>Labor</td>
</tr>
<tr>
<td>Adhesives</td>
<td>Adhesives</td>
</tr>
<tr>
<td>Fasteners</td>
<td>Fasteners</td>
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<tr>
<td>Boardstock</td>
<td>Boardstock</td>
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</tbody>
</table>

ISOGARD HD
ISO 95+ GL
HIGHER PERFORMING INSULATION BOARD

Traditional Installation
- 1 layer ISO 95+ GL Insulation (mechanically attached)
- 1 layer ISOGARD HD Cover Board
- 1 layer insulation adhesive

ISO 95+ GL Insulation
(mechanically attached)

ISOGARD™ HD Cover Board

Insulation Adhesive

Membrane

Membrane

ROOF DECK

Minimum 1.5" ISOGARD HD Composite Installed
- Field of the Roof Attachment (1-90)
  8 fasteners per 4'x8' board
- Perimeter of the Roof Attachment (1-150)
  16 fasteners per 4'x8' board
- Corner Roof Attachment (1-225)
  24 fasteners per 4'x8' board

ISOGARD HD Composite (mechanically attached)

ISO 95+ GL Insulation
(mechanically attached)

INSTALLATION DETAILS

Based on a fully adhered RubberGard EPDM or UltraPly TPO FM 1-90 rated system located in a Non-Hurricane prone area.

Please refer to www.roofnav.com or the local FM agent for further information.

R-Values

Proprietary ISOGARD™ foam technology provides ISOGARD HD Composite with an impressive insulating value for its thickness. This can provide significant energy savings to structures, even those with existing under-deck insulation.

<table>
<thead>
<tr>
<th>Insulation Thickness</th>
<th>LTTR+ R-Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.50&quot;</td>
<td>8.2</td>
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<tr>
<td>2.00&quot;</td>
<td>11.1</td>
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<tr>
<td>2.50&quot;</td>
<td>13.9</td>
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<td>16.9</td>
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<tr>
<td>4.00&quot;</td>
<td>23.0</td>
</tr>
<tr>
<td>4.50&quot;</td>
<td>26.1</td>
</tr>
</tbody>
</table>

* Based on combined R-Values of ISOGARD HD and ISO 95+ GL

Traditional Installation
- 1 layer ISO 95+ GL Insulation (mechanically attached)
- 1 layer ISOGARD HD Cover Board
- 1 layer insulation adhesive

ISO 95+ GL Insulation
(mechanically attached)

ISOGARD™ HD Cover Board

Insulation Adhesive

Membrane

Membrane

ROOF DECK

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