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First and foremost Acrytec Panel Industries is a company focused on customer satisfaction. Acrytec is constantly seeking new and efficient ways to better serve the customer. The partners at Acrytec have a long history in the construction industry. With well over 20 years of construction experience, they understand what satisfies customers most.

Our complete panel systems provide customers with worry-free durability and performance. By engineering our systems to the highest worldwide standards, we believe our systems outperform our competition. All of our systems have been tested by third party engineering firms to ensure they satisfy and perform as required.

Whether looking to breathe new life into old and tired structures or to create a new and vibrant statement, Acrytec's many finish options are sure to please.

Customer satisfaction and product quality are always a top priority at Acrytec Panel Industries.

The Acry NC Rainscreen systems are engineered for commercial, industrial and residential applications. Featuring the Acry NC (non combustible) panel, these systems are available in 2 different configurations.

**NC 25**: Moisture barrier, 25mm channel, backer components, adhesive, Acry-NC panel, fasteners, caulking or sealant.

**NC 25 insulated**: 18 gauge galvanized Z girt (optional thermablock available), insulation + barrier, 25 mm deep 18 gauge galvanized channel with self-sealing tape and ventilation/drainage holes, 3/16" industrial stainless steel rivet, backer components, adhesive, Acry NC panel, corrosion coated stainless steel screws, joint treatment.

Acrytec Panel Industries’ Acry NC panel is a glass fiber reinforced concrete panel. These non-combustible panels are finished in a wide variety of textures and colours in Acrytec’s Ontario facility. Colour, texture and design are customizable to meet most designers’ visions. Application/uses of the Acry NC panel can vary greatly, from complete cladding of industrial/commercial projects to small residential accent areas. With the ability to offer pre-finished corner details, as well as modular sized panels that may be cleanly cut on site using standard power tools, Acrytec Panel Industries can provide a product that is brilliant, durable, and long lasting, to meet your individual needs wherever they may be.

*Our panels can also be used individually as decorative panels and accents.*
**ACRY NC 25**

- **Z Girts**
  - Attached to substrate under the 25mm Acry channels

- **Rainscreen**
  - Continuous vertical 25mm drainage cavity (TYP.)

- **Intended Substrate**
  - Concrete, Masonry, ICF, Plywood, OSB, Densglass

- **Channel/Strapping**
  - Acry Channel 25 with 3M self sealing membrane

- **Joint Sealants**
  - Illmod 600 precompressed polyurethane foam sealant

- **Joint Sealants**
  - 26Ga. galvanized flat trim piece (64mm wide) horizontally mounted at joints (TYP.) only used when caulking is applied

- **Moisture/Vapour Barrier**
  - CCMC Rated Moisture Barrier

- **Adhesive**
  - Acrytec approved

- **Panel**
  - Acry NC Panel

- **Finish Coat**
  - Acrytec approved

- **Fasteners**
  - Corrosion coated stainless steel screws (can be counter sunk and coated)

**ACRY NC 25 INSULATED**

- **Z Girts**
  - Attached to substrate under the 25mm Acry channels

- **Rainscreen**
  - Continuous vertical 25mm drainage cavity (TYP.)

- **Intended Substrate**
  - Concrete, Masonry, ICF, Plywood, OSB, Densglass

- **Channel/Strapping**
  - Acry Channel 25 with 3M self sealing membrane

- **Joint Sealants**
  - Illmod 600 precompressed polyurethane foam sealant

- **Joint Sealants**
  - 26Ga. galvanized flat trim piece (64mm wide) horizontally mounted at joints (TYP.) only used when caulking is applied

- **Moisture/Vapour Barrier**
  - CCMC Rated Moisture Barrier

- **Insulation**
  - Between Z Girts

- **Panel**
  - Acry NC Panel

- **Finish Coat**
  - Acrytec approved

- **Clear Adhesive**
  - Acrytec approved
• **Air Tightness** (infiltration) under incrementally increased positive static pressure differentials, up to a maximum of 300 Pascals;

• **Water Tightness** under incrementally increased positive static pressure differentials (simulated driving rain wind pressures) of 150, 200, 300, 400, 500, 600, and 700 Pascals with each pressure condition applied for a period of 15 minutes with the panel in a vertical position;

• **Structural performance, resistance to deflection including blow-out**, of the entire assembly under incrementally applied static pressure differentials, up to maximum design positive and negative loads of 3000 Pa, respectively;

• **Structural performance, resistance to deflection including blow-out**, of the “rainscreen” portion of the assembly under incrementally applied static pressure differentials, up to maximum design positive and negative loads of 3000 Pa, respectively;

• **Flame Spread and Smoke Developed Rating** based upon triplicate sample testing conducted in accordance with CAN/ULC-S102-07.

• Acry NC panel meets CAN/ULC-S114-05 as a Non Combustible construction material.

• Acrytec panels are ULC certified in both Canada and the USA
  
  – **U301 2 hour rated for wood construction**
  
  – **U337 1 hour rated for wood construction**
  
  – **U425 45 min, 1 hour, 1:30 minutes, 2 hour rated for steel construction**

Note: for actual test results visit our website: www.acrytecpanel.com

### Test Results

<table>
<thead>
<tr>
<th>Trial</th>
<th>Maximum Temperature Rise (°C)</th>
<th>Flaming During Last 14:30 min</th>
<th>Initial Weight (g)</th>
<th>Final Weight (g)</th>
<th>Mean Weight Loss</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>**</td>
<td>No</td>
<td>66.12</td>
<td>60.60</td>
<td>8.3</td>
</tr>
<tr>
<td>2</td>
<td>**</td>
<td>No</td>
<td>65.80</td>
<td>60.29</td>
<td>8.4</td>
</tr>
<tr>
<td>3</td>
<td>1.1</td>
<td>No</td>
<td>65.32</td>
<td>60.47</td>
<td>7.4</td>
</tr>
<tr>
<td>4</td>
<td>**</td>
<td>No</td>
<td>65.36</td>
<td>60.20</td>
<td>7.9</td>
</tr>
<tr>
<td>Mean:</td>
<td></td>
<td></td>
<td>1.1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Maxima Specified by CAN4-S114:</td>
<td>36 (mean)</td>
<td>No</td>
<td>20.0 (Individual)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**The temperature never exceeded the initial stabilized furnace temperature**

Testing provided by EXP, EXOVA and CAN-BEST

### Materials Properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Moisture content (air dry)</td>
<td>approx. 7%</td>
</tr>
<tr>
<td>Alkalinity (pH value)</td>
<td></td>
</tr>
<tr>
<td>Compressive strength</td>
<td></td>
</tr>
<tr>
<td>Tensile bending strength</td>
<td></td>
</tr>
<tr>
<td>Modulus of elasticity E</td>
<td></td>
</tr>
<tr>
<td>Thickness tolerance of standard boards</td>
<td>± 1mm</td>
</tr>
<tr>
<td>Moisture absorption (95% RH)</td>
<td>≤ 5% by wt.</td>
</tr>
<tr>
<td>Length and width tolerance of standard boards</td>
<td>± 1mm</td>
</tr>
<tr>
<td>Standard Board Thickness*</td>
<td></td>
</tr>
<tr>
<td>Core</td>
<td>15mm</td>
</tr>
<tr>
<td>Covering layer</td>
<td></td>
</tr>
<tr>
<td>Apparent density (dry)</td>
<td>980 kg/m³</td>
</tr>
<tr>
<td>Characteristic thermal conductivity λi</td>
<td>0.185 W/(mK)</td>
</tr>
<tr>
<td>Moisture content (air dry)</td>
<td>approx. 7%</td>
</tr>
<tr>
<td>Fire resistance class</td>
<td>A1, non-combustible in compliance with DIN 4102, part 4,2.2.1d</td>
</tr>
<tr>
<td>Acry NC panel meets CAN/ULC-S114-05 as a Non Combustible construction material</td>
<td></td>
</tr>
</tbody>
</table>

### CAN4-S114-05

**Standard Method of Test for Determination of Non-Combustibility in Building Materials**

**Testing provided by EXP, EXOVA and CAN-BEST**
Acrytec Gemtex is a multi-coloured, protective and decorative coating consisting of coloured aggregates and oversized mica flakes, embedded in a clear, 100% acrylic resin. Its distinctive features allow the designer to create attractive and unique surfaces.

* Texture and colour displayed are for demonstration. Slight variation on colour may occur. Acrytec recommends that final colour selection be made from a physical sample in the desired texture and colour.

Note: custom colours are available at no extra charge.

Medium texture sandblast finish embedded in 100% acrylic resin.

* Texture and colour displayed are for demonstration. Slight variation on colour may occur. Acrytec recommends that a final colour selection be made from a physical sample in the desired texture and colour.

Note: custom colours are available at no extra charge.
Acrytec Quartzkote finish is a multi-coloured, protective coating consisting of coloured natural stone chips embedded in a clear, 100% acrylic resin. It is the most visual of the Acrytec finishes with multiple colour aggregates forming a finish that resembles natural coloured stone.

* Texture and colour displayed are for demonstration. Slight variation on colour may occur. Acrytec recommends that a final colour selection be made from a physical sample in the desired texture and colour.

Note: custom colours are available at no extra charge.

Custom colour matching is available for the Metallic and Natural Acry-panel. We match to any colour code from premium paint manufacturers Benjamin Moore or Para Paints. Ask our representative for more information.

**METALLIC COLOUR CHART**

- Gun Metal
- Copper
- Rosie Red
- Gold Leaf
- Black Sparkle

**NATURAL COLOUR CHART**

- Antique White
- Snow White
- Dover White
- Light Gray
- City Scape

- Gauntlet Gray
- Taupe
- Smoke House

* Texture and colour displayed are for demonstration. Slight variation on colour may occur. Acrytec recommends that a final colour selection be made from a physical sample in the desired texture and colour.

Note: custom colours are available at no extra charge.
Custom colour matching is available for the Woodgrain Acry-panel. We match to any colour code from premium paint manufacturers Benjamin Moore or Para Paints. Ask our representative for more information.

* Texture and colour displayed are for demonstration. Slight variation on colour may occur. Acrytec recommends that final colour selection be made from a physical sample in the desired texture and colour.

Note: custom colours are available at no extra charge.
Custom colour matching is available for the Eurokote Acry-panel. We match to any colour code from premium paint manufacturers Benjamin Moore or Para Paints. Ask our representative for more information.

* Texture and colour displayed are for demonstration. Slight variation on colour may occur. Acrytec recommends that final colour selection be made from a physical sample in the desired texture and colour.