

# Reveal® Panel System

## Submittal Form

**04**

Submitted to: .....

Project Name: .....

Submitted by: .....

Date: .....

☐ HZ5® Product Zone ☐ HZ10® Product Zone

Product Finish: ☐ Primed ☐ ColorPlus®Technology

Trim Style: ☐ Recess ☐ Surround ☐ Mixed

Trim Finish: ☐ Color Match (Surround) ☐ Clear Anodized (Surround) ☐ Primed (Recess)

Screw Type: ☐ Wood (Exposed) ☐ Steel (Exposed) ☐ Countersink

Screw Finish: ☐ Stainless (field paint or natural) ☐ Color Match ☐ Countersink

# Reveal® Panel System

## Specification Sheet

**04**

**DIVISION: 07 00 00 THERMAL AND MOISTURE PROTECTION**

**SECTION: 07 46 46 FIBER CEMENT SIDING**

### Manufacturer

James Hardie Building Products Inc

The products are manufactured at the following location, under a quality control program with inspections by Intertek:

- Reno, Nevada

### Compliance with the following codes

- 2015, 2012, 2009 and 2006 International Building Code® (IBC)
- 2015, 2012, 2009 and 2006 International Residential Code® (IRC)

### Features

- Noncombustible
- Dimensionally Stable
- Resistant to damage caused by pests
- Weather Resistant-Engineered for Climate™ cladding panels
- Impact resistant

### Use

James Hardie Reveal Panel System is used as exterior wall covering. The product complies with IBC Section 1404.10 and IRC Section R703.10. The product may be used on exterior walls of buildings of Type I, II, III and IV construction (IBC).

### Description

James Hardie Reveal® Panel is a single-faced, cellulose fiber-reinforced cement (fiber-cement) product. Reveal Panel complies with ASTM C1186, as Grade II, Type A; has a flame-spread index of 0 and a smoke-developed index of 5 when tested in accordance with ASTM E84; and is classified as noncombustible when tested in accordance with ASTM E136.

### Available Sizes

| Product       | Width (inches) | Length (inches) | Thickness (inches) |
|---------------|----------------|-----------------|--------------------|
| Reveal® Panel | 47.5           | 95.5            | 7/16               |

### Panel Texture & Finish

Reveal Panel comes in smooth texture. Finish options include factory finished with ColorPlus technology in 24 colors, or primed for field paint.

### Trims

Reveal® Panel trims supplied by James Hardie are made of 6063-T5 aluminum alloy with a minimum thickness of 0.050 in.

### Fasteners

Fasteners supplied by James Hardie.

Exposed Fasteners for wood or steel:

- T20W Torx Pan Head

Countersunk Fasteners for wood and steel:

- SS Bugle Head Square Drive

### Engineered for Climate®

The Reveal Panel System is engineered for performance to specific weather conditions by climate zones as identified by the following map.



## Performance Properties

| General Property     |                                     | Test Method | Unit or Characteristic             | Requirement                                | Result   |
|----------------------|-------------------------------------|-------------|------------------------------------|--|----------|
| PHYSICAL ATTRIBUTES  | Dimensional Tolerances              | ASTM C1185  | Length                             | $\pm 0.5\%$ or $\pm 1/4$ in                | Pass     |
|                      |                                     |             | Width                              | $\pm 0.5\%$ or $\pm 1/4$ in                |          |
|                      |                                     |             | Thickness                          | $\pm 0.05$ in                              |          |
|                      |                                     |             | Squareness                         | $<1/32$ in/ft of length                    |          |
|                      |                                     |             | Edge Straightness                  | $<1/32$ in/ft of length                    |          |
| PHYSICAL ATTRIBUTES  | Density, lb/ft <sup>3</sup>         | ASTM C1185  |                                    | As reported                                | $<75$    |
|                      | Water Tightness                     | ASTM C1185  | Visual Observations                | No drop formation                          | Pass     |
|                      | Flexural Strength                   | ASTM C1185  | Wet conditioned, psi               | $>1015$ psi                                | Pass     |
|                      |                                     |             | Equilibrium conditioned, psi       | $>1450$ psi                                |          |
| DURABILITY           | Warm Water Resistance, Observations | ASTM C1185  | Visual Observations                | No visible cracks or structural alteration | Pass     |
|                      | Heat/Rain Resistance                | ASTM C1185  | Visual Observations                | No visible cracks or structural alteration | Pass     |
|                      | Freeze/Thaw Resistance              | ASTM C1185  | Visual Observations                | No visible cracks or structural alteration | Pass     |
|                      |                                     |             | Freeze/Thaw, % strength retention  | $\geq 80\%$                                |          |
| FIRE CHARACTERISTICS | Surface Burning Characteristics     | ASTM E84    | Flame Spread Index (FSI)           |  | 0        |
|                      |                                     |             | Smoke Developed Index (SDI)        |  | $\leq 5$ |
|                      |                                     |             | Fuel Contributed                   |  | 0        |
|                      |                                     |             | NFPA Class                         |  | A        |
|                      |                                     |             | Uniform Building Code Class        | As reported                                | 1        |
|                      |                                     |             | International Building Code® class |  | A        |
|                      | Non-combustibility                  | ASTM E136   | Non-combustible                    | Pass/fail                                  | Pass     |

## Installation

Install Reveal Panel System in accordance with:

- Reveal Panel System Installation Instructions
- Reveal Panel System Technical Data Sheet
- Requirements of authorities having jurisdiction

## Warranty

Reveal® Panel System: 30-year, Non-Prorated, Limited Warranty  
 ColorPlus® Technology: 15-year Limited Finish Warranty

## Sustainable Design Contribution

- Regionally sourced content- varies by project location
- Avoidance of certain chemicals or Red List Compliance

Detailed product information for LEED projects, or other state or regional sustainability programs is available through James Hardie Technical Services.

## Storage and Handling

Store flat and keep dry and covered prior to installation.

## Technical Services

Contact James Hardie Technical Services online at [JamesHardie.com](http://JamesHardie.com), or by phone at (800)426-4051



Product warranties, safety information and additional installation information are available at [jameshardiepros.com](http://jameshardiepros.com)

1 866 442 7343 | [www.jameshardie.com](http://www.jameshardie.com)

**IMPORTANT:** Failure to follow James Hardie written installation instructions and comply with applicable building codes may violate local laws, affect building envelope performance and may affect warranty coverage. Failure to comply with all health and safety regulations when cutting and installing this product may result in personal injury.

**DESIGN ADVICE:** Any information or assistance provided by James Hardie in relation to specific projects must be approved by the relevant specialists engaged for the project eg. builder, architect or engineer. James Hardie will not be responsible in connection with any such information or assistance.

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