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Product Description

Play with Varia in a whole new way with Edge. The easy-to-install, modular system comes in nine configurations, and can be customized to fit any space – as a wall treatment, ceiling element, or partition system.

Features and Benefits

- Many beautiful design options
- Extremely easy to assemble and disassemble
- Very tough and durable

Available Configurations

Edge Fins come in 9 standard configurations – Uniform, Contour, Fan, Stepped, Angle, Arc, Diagonal, Jagged, Hourglass (shown in more detail on page 3). Fins can be installed in various sequences to provide a unique aesthetic within each configuration. Also, customization of the fin size is available.

Edge is available as a wall, ceiling, or partition installation. Each of the nine fin configurations are identical for wall and ceiling. Partition is two sided so the look is similar on both sides.

Available Textures/Finishes

3form Edge in Varia Ecoresin comes standard with both a front and back Sandstone finish. Sandstone is a durable finish that has a subtle grainy texture with a slightly frosted look.

*The Varia Ecoresin system panels utilizing natural products as a decorative inter-layers may change in appearance over time. Natural materials are also subject to inherent inconsistency in color, texture and shape.

Available Colors

Edge Fins can be specified in any of 3form’s 15 Sola Felt options.

<table>
<thead>
<tr>
<th>Color</th>
<th>Image</th>
</tr>
</thead>
<tbody>
<tr>
<td>Admiral</td>
<td><img src="image.png" alt="Admiral" /></td>
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<tr>
<td>Aries</td>
<td><img src="image.png" alt="Aries" /></td>
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<tr>
<td>Armor</td>
<td><img src="image.png" alt="Armor" /></td>
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<td>Cast</td>
<td><img src="image.png" alt="Cast" /></td>
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<td>Citrine</td>
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<td>Driftwood</td>
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<tr>
<td>Dune</td>
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<td>Jasper</td>
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<tr>
<td>Mineral</td>
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<tr>
<td>Nightfall</td>
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</tr>
<tr>
<td>Zinc</td>
<td><img src="image.png" alt="Zinc" /></td>
</tr>
</tbody>
</table>

Material Specifications

Flammability and Smoke Test Results

- Building Code Approvals

Edges Fins have been independently tested and meet the criteria for approved interior finishes and light transmitting resin as described in the 2015 International Building Code®.

<table>
<thead>
<tr>
<th>Material</th>
<th>Test</th>
<th>Edge</th>
<th>Result</th>
</tr>
</thead>
<tbody>
<tr>
<td>Varia Ecorexin</td>
<td>ASTM D 2843 Smoke Density</td>
<td>71.6%F</td>
<td>Pass &lt; 75%F</td>
</tr>
<tr>
<td>Varia Ecorexin</td>
<td>ASTM D 635 Flame Spread</td>
<td>Self Extinguishing</td>
<td>Pass CC1</td>
</tr>
<tr>
<td>Varia Ecorexin</td>
<td>ASTM D 1929 Self-ignition</td>
<td>71.6%F</td>
<td>Pass &gt; 650%F</td>
</tr>
<tr>
<td>Varia Ecorexin</td>
<td>UL94 Flame Class - HB</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Varia Ecorexin</td>
<td>UPITT Mortality Test</td>
<td>Pass</td>
<td>Not more toxic than wood</td>
</tr>
<tr>
<td>Varia Ecorexin</td>
<td>ASTM E84-03 Flame Spread, 1/4&quot; thickness Smoke Generated</td>
<td>65 425</td>
<td>Class B: 26-75 ≤450</td>
</tr>
<tr>
<td>Varia Ecorexin</td>
<td>NFPA 286 1/4&quot; thickness Smoke Generated</td>
<td>Pass</td>
<td>Class A: 0-25 ≤450</td>
</tr>
<tr>
<td>Sola Felt</td>
<td>ASTM E84-03 Flame Spread, 1/4&quot; thickness Smoke Generated</td>
<td>10 55</td>
<td></td>
</tr>
</tbody>
</table>
Cleaning: Varia Ecoresin

3form Varia Ecoresin fins should be cleaned periodically. A regular, seasonal cleaning program will dramatically help prevent noticeable weathering and dirt build-up. 3form recommends the use of the following common cleaning products: Windex, Formula 409, Simple Green, Fantastik, Virex, 10:1 Water/Bleach Solution.

Rinse the sheets with lukewarm water. Remove dust and dirt from Varia Ecoresin with a soft cloth or sponge and a solution of mild soap and/or liquid detergent in water. A 50:50 solution of isopropyl alcohol and water also works well. Rinse thoroughly with lukewarm water.

**Do:**
- Always use a soft, damp cloth to blot dry. (Rubbing with a dry cloth can scratch the material and create a static charge)

**Do not:**
- Use scrapers or squeegees on Varia Ecoresin.
- Use scouring compounds, gasoline, benzene, acetone, carbon tetrachloride, certain deicing fluids, lacquer thinner or other strong solvents.
- Use highly alkaline or abrasive cleaning agents.
- Rub with a dry cloth.

Cleaning: Felt

To remove airborne debris and dust, it is recommended to periodically vacuum Felt Edge fins. Please note the slight shedding of fibers from the Felt is normal and not indicative of any defect.

**Important!** If a cleaning material is found to be incompatible in a short-term test, it will usually be found to be incompatible in the field. The converse, however, is not always true. Favorable performance is no guarantee that actual end-use conditions have been duplicated. Therefore, these results should be used as a guide only and it is recommended that the user test the products under actual end use conditions.
Configurations: Wall and Ceiling

Each configuration shows two (2) Ready To Go solutions with a resulting footprint of 84” wide x 96” high. These are made from two(2) side by side modules, each 42” wide x 96” tall.

Edge Uniform (Wall and Ceiling)
Max Fin Depth 6.25” (159mm)

Contour (Wall and Ceiling)
Max Fin Depth 9.25” (229mm)

Fan (Wall and Ceiling)
Max Fin Depth 9.25” (229mm)

Stepped (Wall and Ceiling)
Max Fin Depth 6.25” (159mm)

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Configurations: Wall and Ceiling cont...

Each configuration shows two (2) Ready To Go solutions with a resulting footprint of 84" wide × 96" high. These are made from two(2) side by side modules, each 42" wide × 96" tall.

**Angle (Wall and Ceiling)**
Max Fin Depth 9.25” (229mm)

- **Configuration A**
  8.7.6.5.4.3.2.1.2.3.4.5.6.7.8.

- **Configuration B**
  1.2.3.4.5.6.7.8.7.6.5.4.3.2.1.

**Arc (Wall and Ceiling)**
Max Fin Depth 9.25” (229mm)

- **Configuration A**
  8.7.6.5.4.3.2.1.2.3.4.5.6.7.8.

- **Configuration B**
  1.2.3.4.5.6.7.8.7.6.5.4.3.2.1.

**Diagonal (Wall and Ceiling)**
Max Fin Depth 9.25” (229mm)

- **Configuration A**
  1.2.3.4.5.6.7.8.7.6.5.4.3.2.1

- **Configuration B**
  8.7.6.5.4.3.2.1.1.2.3.4.5.6.7.8

**Jagged (Wall and Ceiling)**
Max Fin Depth 9.25” (229mm)

- **Configuration A**
  1.2.3.4.5.6.7.8.7.6.5.4.3.2.1

- **Configuration B**
  8.7.6.5.4.3.2.1.1.2.3.4.5.6.7.8

**Hourglass (Wall and Ceiling)**
Max Fin Depth 9.25” (229mm)

- **Configuration A**
  1.2.3.4.5.6.7.8.7.6.5.4.3.2.1

- **Configuration B**
  8.7.6.5.4.3.2.1.1.2.3.4.5.6.7.8

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Configuration: Partition

Designed to look the same as the edge wall and ceiling, but in a two-sided format. Please visit our website for more views of Edge Partition. *Some images below show 2 modules/kits rather than just one in order to show the pattern detail better.

Number Location on Fins
(Top Rail Slot)

Edge Uniform (Partition)
Max Fin Depth 12" (305mm)

Contour (Partition)
Max Fin Depth 16.5" (420mm)

Fan (Partition)
Max Fin Depth 16.5" (420mm)

Stepped (Partition)
Max Fin Depth 12" (305mm)

Angle (Partition)*
Max Fin Depth 16.5" (420mm)

Arc (Partition)*
Max Fin Depth 16.5" (420mm)

Diagonal (Partition)*
Max Fin Depth 16.5" (420mm)

Jagged (Partition)*
Max Fin Depth 16.5" (420mm)

Hourglass (Partition)*
Max Fin Depth 16.5" (420mm)

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Dimensions

Wall Bracket
3-70-016

Rail
3-70-014

Rail Bracket
3-70-017

Wall/Ceiling Fin

Partition Fin

*Uniform style fin shown, other fin styles will have different min and max depths.
Installation: Wall

Contents Overview

- Installation Stands (x2)
- Fin (x8)
- Rail (x3)
  - White: 3-70-014
  - Light Wood Stain: 3-70-013
- Wall Bracket (x6)
- Rail Bracket (x6)
- Drywall Anchor (x12)
  - #8 x 1½
    - 3-15-1927
- SMS Pan Head (x12)
  - #8 x 1½
    - 3-15-1928
- #8 x 0.5” Pan Head (x12)
- M6 x 18 Bolt (x9)
- Rampa Screw (x12)
  - #8 x 1½
    - 3-70-020
  - *Pre-installed in Rail (3-70-014)

Required Tools

- Drill
- Drill Bits
- Tape Measure
- Level Tool
- Screwdrivers
Installation: Wall

1. Set Up Installation Stands

2. Install Edge Fins into Installation Stands

Follow proper fin numbering sequence as noted on pages 3-4.
Installation: Wall

3  **Insert Rails into the Fins**

Insert the rails into the fins as shown. Then install bolts (3-70-019) into the rails in the pre-installed rampa inserts.

4  **Expand Rails to Lock Fins in Slots**
Installation: Wall

5 Mark Walls for Wall Bracket Installation

When installing models end to end (meaning the ends of the fins are lining up) 3form recommends to leave a ½" - 1" gap between modules to avoid any aesthetic variation due to the fins not perfectly aligning caused by material or installation variance. The wall also may need to be leveled before installing the systems so that modules align one to the other.

X is the center of top rail position,
Y is the gap between the floor and the bottom of the fins.
X = 90” + Y
Installation: Wall

6 Attach Wall Brackets to Wall Using Marks

7 Attach Rail Brackets to Back of Edge Rail
   Center Rail Brackets around largest holes on back of edge rail
Installation: Wall

8 Hang Edge Fins onto Wall

Position fins in front of wall to be installed

Lift upwards above brackets, and then push backwards until there is contact with the wall.

Carefully let the fins down making sure that all of the rail clips engage with the wall clips.
Installation: Wall

9 How to Shorten a Section of Edge Walls

When less than the full width of Edge (<42") is needed, you must cut down the rails of the edge product. Follow the instructions below for best results.

- **a** Determine the number of fins needed (or your maximum length). See chart below.

<table>
<thead>
<tr>
<th># of Fins</th>
<th>Distance</th>
</tr>
</thead>
<tbody>
<tr>
<td>1*</td>
<td>5 ¼&quot;</td>
</tr>
<tr>
<td>2*</td>
<td>10 ½&quot;</td>
</tr>
<tr>
<td>3*</td>
<td>15 ¾&quot;</td>
</tr>
<tr>
<td>4*</td>
<td>21&quot;</td>
</tr>
<tr>
<td>5</td>
<td>26 ⅜&quot;</td>
</tr>
<tr>
<td>6</td>
<td>31 ⅜&quot;</td>
</tr>
<tr>
<td>7</td>
<td>36 ⅜&quot;</td>
</tr>
<tr>
<td>8</td>
<td>42&quot;</td>
</tr>
</tbody>
</table>

*For rails with less than 4 fins, you must drill a new counter-bored hole and through hole for the Rampa insert for expanding the rails.
- First counter-bore with a ½" diameter brad point drill bit to a depth of ¾" (9.5mm)
- Next drill all the way through with a ¼" diameter brad point drill bit

- **b** If you are mounting next to another assembly of Edge, it’s important to identify the side of the rails that will meet up with the existing fins. When you cut the rail, it will leave exposed wood, so this will need to be mounted against the existing system. If you are NOT mounting adjacent to another system, you will need to paint the side of the rail that is cut.

- **c** Mark your rail for your desired cut. See dimensions in Step 9a, based on the number of Fins you want.

- **d** Install modified rail, with cut side facing existing Edge system.
Installation: Partition

Contents Overview

- **Installation Stands** (×2)
- **Fin** (×8)
- **Rail**
  - White: 3-70-014
  - Light Wood Stain: 3-70-013

- **3mm Cable** (×2)
  - 3-15-0723
- **White Fast Caps** (×9)
  - 3-70-006
- **Rampa Screw** (×2)
  - 3-70-020
  - *Pre-installed in Rail (3-70-014)*
- **Mending Plate** (×3)
  - 3-70-007
  - *only for multiple modules*
- **Mending Plate Screw** (×12)
  - 3-70-008
  - *only for multiple modules*
- **Cable Tensioner** (×2)
  - 3-15-1636-K
- **Cable Tensioner** (×2)
  - 3-15-0138
- **M8 Threaded Rod, 25mm** (×2)
  - 3-15-1754
- **M8 Threaded Rod, 50mm** (×4)
  - 3-15-3032A
- **M8 Concrete Anchor** (×4)
  - 3-15-3011A
- **M8 Threaded Rod, 25mm** (×4)
  - 3-15-1754
- **M8 Toggle Bolt Anchor** (×4)
  - 3-15-0734
- **M8 Threaded Wood Insert** (×4)
  - 3-15-0791
- **M8 Concrete Anchor** (×4)
  - 3-15-3011A
- **M8 Threaded Rod, 50mm** (×4)
  - 3-15-3032A
- **M8 Threaded Rod, 25mm** (×4)
  - 3-15-1754
- **Cable Coupler**
  - 3-15-1639-K
- **M6 × 6mm Set Screw** (×6)
  - 3-70-020
- **Edge Holder** (×6)
  - 3-70-015
- **3mm Cable** (×9)
  - 3-15-0723
- **Edge tm**
  - White:
  - Light Wood Stain:
  - 3-70-014
  - 3-70-013

**Installation:**

**Partition Contents Overview**

= **Installation Stands**
  - (×2)

= **Fin**
  - (×8)

= **Rail**
  - White: 3-70-014
  - Light Wood Stain: 3-70-013

= **3mm Cable**
  - (×2)
  - 3-15-0723

= **White Fast Caps**
  - (×9)
  - 3-70-006

= **Rampa Screw**
  - (×2)
  - 3-70-020
  - *Pre-installed in Rail (3-70-014)*

= **Mending Plate**
  - (×3)
  - 3-70-007
  - *only for multiple modules*

= **Mending Plate Screw**
  - (×12)
  - 3-70-008
  - *only for multiple modules*

= **Cable Tensioner**
  - (×2)
  - 3-15-1636-K

= **Cable Tensioner**
  - (×2)
  - 3-15-0138

= **M8 Threaded Rod, 25mm**
  - (×2)
  - 3-15-1754

= **M8 Threaded Rod, 50mm**
  - (×4)
  - 3-15-3032A

= **M8 Concrete Anchor**
  - (×4)
  - 3-15-3011A

= **M8 Threaded Rod, 25mm**
  - (×4)
  - 3-15-1754

= **Cable Coupler**
  - (×2)
  - 3-15-1639-K

= **M6 × 6mm Set Screw**
  - (×6)
  - 3-70-020

= **Edge Holder**
  - (×6)
  - 3-70-015

= **3mm Cable**
  - (×9)
  - 3-15-0723

= **Edge tm**
  - White:
  - Light Wood Stain:
  - 3-70-014
  - 3-70-013

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Installation: Partition

Required Tools

- Drill
- Drill Bits
- Tape Measure
- Level Tool
- Screwdrivers

1. Set Up Installation Stands

2. Install Edge Fins into Installation Stands
   Follow proper fin numbering sequence as noted on page 5.

3. Drill Cable Holes in Rails
   Drill ¼" holes through "C" shaped rails to hang the rails with cables.
**Installation: Partition**

4. **Insert Rails into the Fins**

   Insert the rails into the fins as shown. Then install bolts (3-70-019) into the rails in the pre-installed rampa inserts.

5. **Expand Rails to Lock Fins in Slots**

   After completing installation, the fast caps (3-70-006) can be used to cover up the bolts.
Installation: Partition

6 Cable Couplers and Tensioners Position and Installation

a When installing models end to end (meaning the ends of the fins are lining up) 3form recommends to leave a ½” - 1” gap between modules to avoid any aesthetic variation due to the fins not perfectly aligning caused by material or installation variance.

b Determine position for anchoring.

c Concrete Installation

Drill Ø10mm hole, minimum 65mm deep.

With screw in anchor (3-15-3011A), use a hammer to insert anchor.

Remove drilling debris with a blowout bulb or with compressed air.

*If anchoring in concrete follow Steps 6c-h, if anchoring in wood follow Steps 6i-j. Then continue with Steps 6k-p.*
Installation: Partition

6 Cable Couplers and Tensioners Position and Installation cont...

f. Place a washer under the screw head. Torque the screw to 15 Nm. Remove screw.

i. Wood Installation

Drill Ø3/16" (Ø11.1mm) hole, minimum 20mm deep.

j. Use an Allen wrench to install the M8 Threaded Insert (3-15-0791).
Installation: Partition

6 Cable Couplers and Tensioners Position and Installation cont...

21" (534mm)

k

l

m

n

o

p

3-15-1639-K

3-15-1636-K
Installation: Partition

7 Suspend Edge Module

8 Cable Tensioner installation
Installation: Partition

9 Connect Edge Module - Optional

a

b
Installation: Ceiling

Contents Overview

- **Installation Stands** (x2)
- **Fin** (x8)
- **Rail**
  - White: 3-70-014
  - Light Wood Stain: 3-70-013
- **3mm Cable** (x6) 3-15-0723
- **White Fast Caps** (x9) 3-70-006
- **M6 x 18 Bolt** (x6) 3-70-019
- **Edge Holder** (x6) 3-70-015
- **M6×6mm Set Screw** (x6) 3-70-021
- **Mending Plate** (x3) 3-70-007
  - (only for multiple modules)
- **Mending Plate Screw** (x12) 3-70-008
  - (only for multiple modules)
- **Cable Coupler** (x6) 3-15-1639-K
- **Suspend Anchoring KIT** (x6) 3-15-7000-K
  - M8 Toggle Bolt Anchor 3-15-0734
  - M8 Threaded Wood Insert 3-15-0791
  - M8 Concrete Anchor 3-15-3011A
  - M8 Threaded Rod, 50mm 3-15-3032A
  - M8 Thread Rod, 25mm 3-15-1754
- **Rampa Screw** (x6) 3-70-020
  - *Pre-installed in Rail (3-70-014)*

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Installation: Ceiling

Required Tools

- Level Tool
- Drill
- Drill Bits
- Tape Measure
- Screwdrivers

1. Set Up Installation Stands
Installation: Ceiling

2 Install Edge Fins into Installation Stands

Follow proper fin numbering sequence as noted on pages 3-4.

3 Drill Cable Holes in Rails

Drill ¼” holes through “C” shaped rails to hang the rails with cables.

4 Insert Rails into the Fins

Insert the rails into the fins as shown. Then install bolts (3-70-019) into the rails in the pre-installed rampa inserts.
Installation: Ceiling

5 Expand Rails to Lock Fins in Slots

After completing installation, the fast caps (3-70-006) can be used to cover up the bolts.

6 Cable Couplers Position and Installation

a When installing models end to end (meaning the ends of the fins are lining up) 3form recommends to leave a ½" - 1" gap between modules to avoid any aesthetic variation due to the fins not perfectly aligning caused by material or installation variance.

b Determine position for anchoring.
Installation: Ceiling

6 Cable Couplers Position and Installation cont...

*If anchoring in concrete follow Steps 6c-h, if anchoring in a hollow substrate follow steps 6i-n, if anchoring in wood follow Steps 5o-p. Then move on to Steps 6q-s.

**c** Concrete Installation

- Drill Ø10mm hole, minimum 65mm deep.

**d**

- Remove drilling debris with a blowout bulb or with compressed air.

**e**

- With screw in anchor (3-15-3011A), use a hammer to insert anchor.

**f**

- Place a washer under the screw head.

**g**

- Torque the screw to 15 Nm.

**h**

- Remove screw.
Installation: Ceiling

6 Cable Couplers Position and Installation cont...

i Hollow Substrate Installation

Drill Ø3/4” (19mm) hole. Minimum clearance behind wall = 1½” (48mm)

j

Position the metal channel parallel with the plastic legs. Insert the metal channel through the drilled hole into the wall cavity.

k

Pull the metal channel firmly against the inner wall cavity by tugging the plastic pull ring.

l

Slide the plastic cap forward along the legs until it is seated flush to the work surface.

m

Snap the plastic legs off flush at the plastic cap by pushing outward.

n

Note: Maximum torque on screw or rod is 5 ft-lb.
Installation: Ceiling

6 Cable Couplers Position and Installation cont...

- Wood Installation

**q**

**r**

**s**

Drill Ø3/8” (Ø11.1mm) hole, minimum 20mm deep.

Use an Allen wrench to install the M8 Threaded Insert (3-15-0791).

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Installation: Ceiling

7 Suspend the Edge Module

Leave about 1" of cable
Installation: Ceiling

8 Connect the Edge Module - Optional

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