Section 1: Screen Design

1.1 What is it for?
The Insta-RP 2 Screen is a self-adhesive optical rear projection screen film material suitable for commercial applications such as store windows, resorts, restaurants, and nightclubs.

1.2 How does it work?
The Insta-RP 2 Screen is easily installed via its adhesive backing in virtually any professional environment.

1.3 Sizes Available
100” diagonal in 4:3 aspect ratio
123” diagonal in 16:9 aspect ratio
114” diagonal in 16:10 aspect ratio
60” high by 240”
Section 2: Screen Material

2.1 Characteristics

2.1.1 Optical Rear Projection Film Material

Wraith Veil 2 is a self-adhesive optical rear projection screen material film. It is applied to clear glass/plexiglass panels for the purpose of converting them into rear projection screens. Its special 2.2 gain brightness is ideal for ambient light while its design enhances color reproduction and black level contrast.

Features & Benefits

- Gain: 2.2
- Viewing Angle: 180° (90° L/R)
- Textured PET (Polyethylene Terephthalate)
- Material is easy to clean and maintain
- Special custom sizes up available!
### Section 3: Specification

#### 3.1 Dimensions

<table>
<thead>
<tr>
<th>Model</th>
<th>Nominal Diagonal (Aspect Ratio)</th>
<th>View Height (A)</th>
<th>View Width (B)</th>
<th>Thickness (C)</th>
</tr>
</thead>
<tbody>
<tr>
<td>iRP100V2</td>
<td>100”(4:3)</td>
<td>1524</td>
<td>2032</td>
<td>0.10</td>
</tr>
<tr>
<td>iRP123H2</td>
<td>123”(16:9)</td>
<td>1524</td>
<td>2718</td>
<td>0.10</td>
</tr>
<tr>
<td>iRP114X2</td>
<td>114”(16:10)</td>
<td>1524</td>
<td>2438</td>
<td>0.10</td>
</tr>
<tr>
<td>iRP5x20V2</td>
<td>N/A</td>
<td>1524</td>
<td>6096</td>
<td>0.10</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Model</th>
<th>Nominal Diagonal (Aspect Ratio)</th>
<th>View Height (A)</th>
<th>View Width (B)</th>
<th>Thickness (C)</th>
</tr>
</thead>
<tbody>
<tr>
<td>iRP100V2</td>
<td>100”(4:3)</td>
<td>60</td>
<td>80</td>
<td>0.0039</td>
</tr>
<tr>
<td>iRP123H2</td>
<td>123”(16:9)</td>
<td>60</td>
<td>107</td>
<td>0.0039</td>
</tr>
<tr>
<td>iRP114X2</td>
<td>114”(16:10)</td>
<td>60</td>
<td>96</td>
<td>0.0039</td>
</tr>
<tr>
<td>iRP5x20V2</td>
<td>N/A</td>
<td>60</td>
<td>240</td>
<td>0.0039</td>
</tr>
</tbody>
</table>

The listed measurements are for general reference only. Please contact Elite Screens to verify product design and dimensions before attempting to integrate its products with any structural or furniture modification. Although a manufacturer may offer product advice, it may be taken or disregarded at the integrator’s discretion. Elite Screens will not be held responsible or be otherwise liable for faulty installations.
3.2 Drawing

3.3 Pictures
Section 4: Execution

4.1 Submittals
- User’s Guide
- Insta-RP 2 Screen Material
- Microfiber Cleaning Cloth
- Plastic Scraper

4.2 Caution
The adhesive surface is meant to be permanent for the life of the product. It does not remove easily. Please attach very carefully to avoid having to remove the product and positioning it in a different location.

4.3 Preparation
1. Select a permanent glass surface location for your Insta-RP2.
2. Use a water filled spray bottle and a rubber edged window washer to clean the desired surface.
3. Clean surface with water and a mild detergent (1:1000 ratio column)
4. Make sure that the glass surface is smooth (unblemished) and perfectly flat.
5. Cut the screen to fit the required size.

4.4 Installation
1. Partially separate the film from the screen’s adhesive backing.
2. Water should be sprayed on glass and material before attaching material to the surface.
3. Carefully smooth out the surface (latex gloves are recommended).
4. Use the plastic scraper to eliminate all air bubbles, and or ripples.
5. Use the microfiber cleaning cloth to clean the surface.
6. Allow material to stand unused for 2 to 3 hours to bond and set.
Section 5: More Specifications

5.1 Product Structure

This product was developed by using a diffusion process on PET and attaching an adhesive with released film. (36um diffusion, 20um adhesive, and 23um released film).

5.2 Caution

1. This sensitive adhesive material is not re-useable. Attempting to remove after installed can damage the screen.
2. Make sure the permanent surface for the material is cleaned before installing.
3. Keep sharp objects away from the material. Punctures, scratches, or tears in the screen may distort the projected image.
4. Attempting to force the material to another part of the glass or acrylic surface may cause creases within the material.
5. If installed properly, any bubbles or ripples in the material will disappear within 2 to 3 days. (Bubbles or ripples will not distort the projected image.)
### 5.3 Specifications Table

1. The following table lists the product specifications.

<table>
<thead>
<tr>
<th>Specification Item</th>
<th>Specifications</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>Color display</td>
<td>Matte White</td>
<td></td>
</tr>
<tr>
<td>Thickness</td>
<td>80μm ± 1μm</td>
<td></td>
</tr>
<tr>
<td>Width</td>
<td>152.4 cm</td>
<td></td>
</tr>
<tr>
<td>Material</td>
<td>PET</td>
<td></td>
</tr>
<tr>
<td>Light Transmittance</td>
<td>75%</td>
<td></td>
</tr>
<tr>
<td>Temperature Range</td>
<td>-10°C ~ 40°C</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Weathering characteristics</th>
<th>Pass</th>
<th>No abnormal appearance</th>
</tr>
</thead>
<tbody>
<tr>
<td>High temperature storage</td>
<td></td>
<td></td>
</tr>
<tr>
<td>60 °C X 72 Hours</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Low temperature storage</td>
<td></td>
<td></td>
</tr>
<tr>
<td>-20 °C X 72 Hours</td>
<td></td>
<td></td>
</tr>
<tr>
<td>High temperature and</td>
<td></td>
<td></td>
</tr>
<tr>
<td>humidity 60 °C X 95% RH</td>
<td></td>
<td></td>
</tr>
<tr>
<td>X 72 Hours</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Thermal Shock *</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Resistance to UV 15W UV</td>
<td></td>
<td></td>
</tr>
<tr>
<td>24 Hours</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Section 6: Markets With Product Availability

6.1 Where

- **America: Elite Screens Inc**
  12282 Knott St.
  Garden Grove, CA 92841
  Tel: 877-511-1211
  Fax: 562-483-8498
  info@elitescreens.com
  www.elitescreens.com

- **Asia: Elite Screens China Ltd.**
  Longxi Duimianling Industry Zone
  Longcheng, Longgang District,
  ShenZhen GuangDong, China
  Tel: +86-(0)755-8461-7989
  Fax: +86-(0)755-8461-7669
  info@elitescreens.com.cn
  www.elitescreens.com.cn

- **Asia: Elite Screens Taiwan Corp.**
  4F, No. 42-1 Wuguan Rd.
  Wugu Township Taipei
  County 248, Taiwan (R.O.C.)
  Tel:(02)2747-8979
  Fax: (02)2747-8978
  info@elitescreens.com.tw
  www.elitescreens.com.tw

- **Asia: Elite Screens Japan**
  467-2-606 Tsuruma, Machida-shi
  Tokyo, 194-0004, Japan
  Tel: +866+2+8990+1999
  Fax: +866+2+8990+1366
  info@elitescreens.com.jp
  www.elitescreens.jp

- **Europe: Elite Screens GmbH**
  Lübecker Straße 1, 22087
  Hamburg, Germany
  Tel: +49-40-30392494
  Fax: +49-40-49219200
  info@elitescreens.eu
  www.elitescreens.eu

- **France: Elite Screens France S.A.S**
  11, Allée William Penn
  92150 Suresnes, France
  Tel: +33-1-45064735
  Fax: +33-1-4506473
  info.fr@elitescreens.com
  www.elitescreens.com/fr
6.2 Company Description

*Elite Screens Inc.* is a California based company that specializes in making quality commercial and home-theater projection screens for the retail and custom install sales channels. Our company began as an innovative venture into the projection market by manufacturing veterans from the AV/IT industry. Elite Screens quickly established itself as an entry level commercial and home theater screen manufacturer. This was accomplished by making a quality product cost effective with a focus on mass-producing screen material, sizes and aspect ratios that were most commonly preferred by AV customers in general. We focused on uniformity with what would match the mainstream demographic while including extra features that are not usually included by other manufacturers. In time, we progressed from just retail sales into the realm of custom installer/integrator manufacture as our numerous reviews and awards will attest. We stand behind our product and are so certain of customer satisfaction with the quality of our product that we offer a 2-year manufacturer’s warranty which is twice the industry standard. In our continued devotion to excellence in products and service, we are committed to implementing green practices with our production. We have adopted manufacturing methods that promote conservative regulation of our energy needs. Our simple product designs combined with the expertise of our permanent staff ensures that our entire line of products are made by experienced hands devoted to the high standards of today’s audio-video consumer.

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