

## ***INSTA-RP SERIES***

### **Section 1: Screen Design**

#### **1.1 What is it for?**

The **Insta-RP Screen** is a self-adhesive rear projection optical screen film suitable for commercial applications such as storefront windows, resorts, restaurants and nightclubs.

#### **1.2 How does it work?**

A self-adhesive DIY rear projection screen film with a 2.2 gain reflectivity The Insta-RP is the ideal solution for wherever a permanent rear projection display is needed.

### **Section 2: Product Features**

#### **2.1 Characteristics**

##### **Screen Material**

- Self-adhesive optical rear projection material
- Textured PET (Polyethylene terephthalate) with diffusion layer
- 2.2 gain with 180° wide diffusion uniformity
- 4K Ultra HD, Active 3D, and HDR Ready
- Minimum throw (lens) ratio of 0.19 x image width
- Material is easy to clean and maintain
- Available in the following diagonal sizes:
  - 99" in 4:3 format
  - 98", 100" and 121" in 16:9 format
  - 98", 100" and 112" in 16:10 format
  - 151" in 2.35:1 format
  - Also available in 247" (5x20)

##### **Quality and Reliability**

- 2-year Parts & Labor manufacturer's warranty
- 3-year warranty offered through ENR-G program (Education, Non-Profit, Religious and Government)

**2.2 Model Numbers**

| Model Number | Diag. Size | Aspect Ratio | Viewing Height (in) | Viewing Width (in) | Screen Material | Gain | N.W. (lbs) | G.W. (lbs) | Packaging Dimensions (LxHxW) |
|--------------|------------|--------------|---------------------|--------------------|-----------------|------|------------|------------|------------------------------|
| iRP121H      | 121"       | 16:9         | 59.1                | 104.9              | WraithVeil2     | 2.2  | 2.3        | 4.4        | 60.8"x5.3"x5.3"              |
| iRP70X       | 70"        | 16:10        | 36.9                | 59.1               | WraithVeil2     | 2.2  | 1.3        | 3.5        | 47.8"x5.3"x5.3"              |
| iRP112X      | 112"       | 16:10        | 59.1                | 94.5               | WraithVeil2     | 2.2  | 2.2        | 4.3        | 60.8"x5.3"x5.3"              |
| iRP151C      | 151"       | 2.35:1       | 59.1                | 138.8              | WraithVeil2     | 2.2  | 2.8        | 4.9        | 60.8"x5.3"x5.3"              |
| iRP5x20      | 247"       | N/A          | 59.1                | 240.0              | WraithVeil2     | 2.2  | 4.1        | 6.3        | 60.8"x5.3"x5.3"              |

**Section 3: Screen Material Specifications**

**3.1 Characteristics**

The **WraithVeil2** screen is an off axis rear projection projector material for a variety of rear-mounted projector arrays. It is ideal for events such as clubs, restaurants, trade shows, meeting rooms, and outside evening presentations.



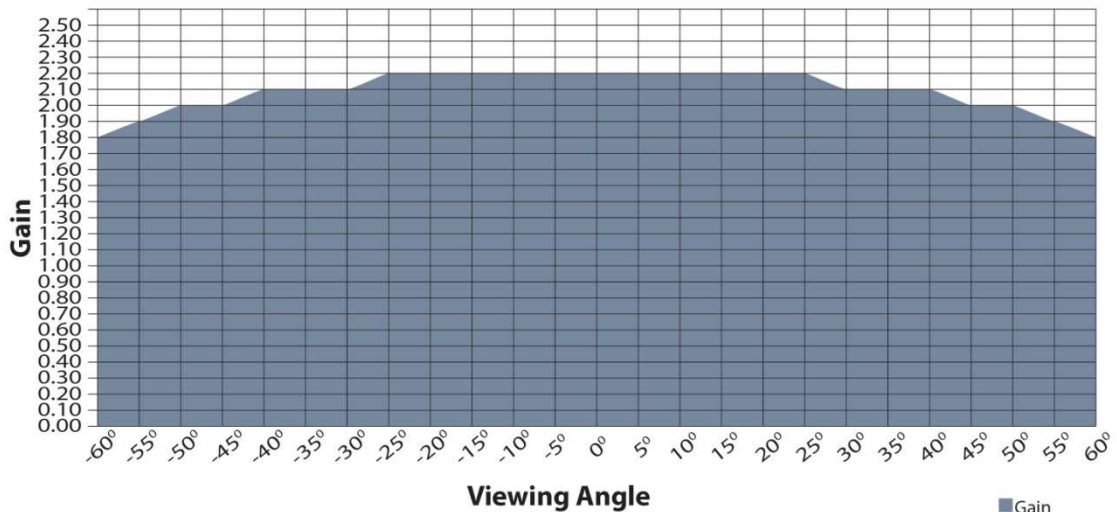
**Features & Benefits**

- Gain: 2.2
- Viewing Angle: 180° (90° L/R)
- Textured PET (Polyethylene Terephthalate)
- Material is easy to clean and maintain

**3.2 Gain and Viewing Angle Chart**



**On axis 0° Gain: 2.2  
Viewing Cone: 180°**




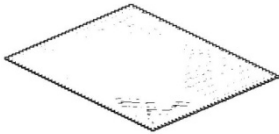
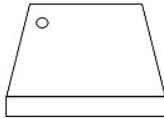
## Section 4: Execution

### 4.1 Precautions

1. This product is an adhesive rear-projection screen that can be applied to various surfaces such as transparent glass or acrylic.
2. This product is made for a one-time application. It has a non-reusable adhesive that bonds firmly to a window surface. If the window has any layer treatment such as tinting, it is likely that the layering will be damaged upon removal of the screen.
3. To ensure an even and “bubble-free” installation, make sure that the window surface is clean and evenly moistened previous to installation.
4. Do not fold the Insta-RP Screen’s material. Folding will result in a permanent crease that cannot be removed.
5. Avoid touching the screen with any hard or sharp objects that may cut, scratch or otherwise deface the material.
6. The Insta-RP Screen is applied to a moist surface. This can impact the installation of the material by possibly creating slight ripples or bubbling. These will disappear within the first few weeks as the micro-droplets of water trapped in the adhesive evaporate.

### 4.2 Parts List

**Please make sure all parts listed below are included before proceeding with the installation.**

| Parts List  |   |   |
|---|---|---|
|  |  |  |
| a. Insta-RP material x 1  | b. Microfiber cloth x 1   | c. Plastic smoothing tool x 1   |

### 4.3 Installation

1. Use a spray bottle filled with water and a mild detergent (1:1000 ratio column).
2. Thoroughly clean the glass surface using the correct glass-cleaning equipment.
3. Make sure that the glass surface is smooth (unblemished) and perfectly flat.
4. Cut the screen to fit the required size of the product.

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5. Partially separate the film from the screen's adhesive backing.

*(\*Manufacturer's Tip: It is easier to apply the screen while separating the film from the adhesive simultaneously. This keeps the material from sticking together or going on the surface unevenly.)*



6. Spray applicators are ideal to evenly spread the moisture before attaching the screen material to the glass.



7. Carefully smooth out the surface (preferably using latex gloves) to ensure that the screen is level with no bubbles or ripples present.



8. Now that the material is perfectly flat, make sure that it is aligned well.



9. Use the included Scraper or a leveling brush to eliminate the residual moisture and make sure that the material has been applied properly.

10. Allow material to stand unused for 2 to 3 hours so the adhesive can bond and set.

## Section 5: Product Specification

### 5.1 Dimensions

| Model Number | Diag. Size | Aspect Ratio | View Height (A) | View Width (B) | Thickness (C) |
|--------------|------------|--------------|-----------------|----------------|---------------|
| Unit: Inches |            |              |                 |                |               |
| iRP121H      | 121"       | 16:9         | 59.1            | 104.9          | 0.0039        |
| iRP70X       | 70"        | 16:10        | 36.9            | 59.1           | 0.0039        |
| iRP112X      | 112"       | 16:10        | 59.1            | 94.5           | 0.0039        |
| iRP151C      | 151"       | 2.35:1       | 59.1            | 138.8          | 0.0039        |
| iRP5x20      | 247"       | N/A          | 59.1            | 240.0          | 0.0039        |

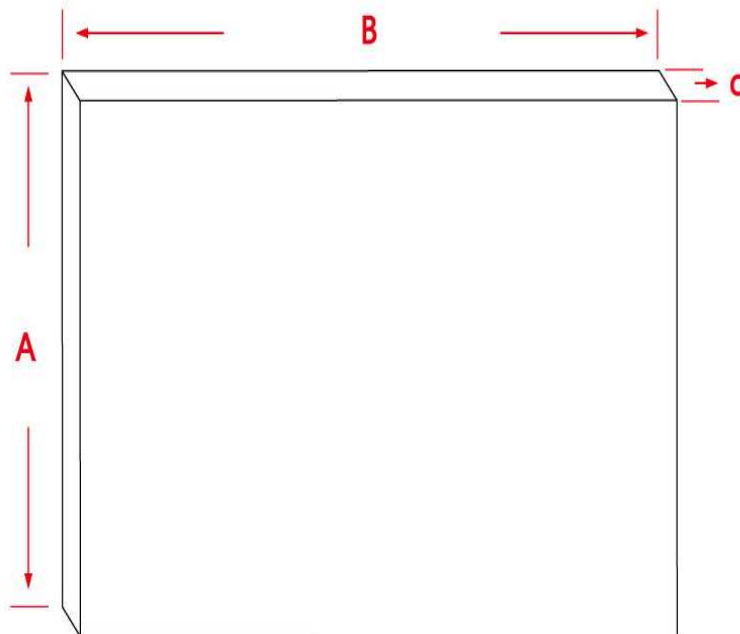
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| Model Number | Diag. Size | Aspect Ratio | View Height (A) | View Width (B) | Thickness (C) |
|--------------|------------|--------------|-----------------|----------------|---------------|
| Unit: mm     |            |              |                 |                |               |
| iRP121H      | 121"       | 16:9         | 1501.1          | 2664.5         | 0.1           |
| iRP70X       | 70"        | 16:10        | 937.3           | 1501.1         | 0.1           |
| iRP112X      | 112"       | 16:10        | 1501.1          | 2400.3         | 0.1           |
| iRP151C      | 151"       | 2.35:1       | 1501.1          | 3525.5         | 0.1           |
| iRP5x20      | 247"       | N/A          | 1501.1          | 6096.0         | 0.1           |

## 5.2 Drawing



## 5.3 Pictures

**WrathVeil2** material



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## Life Style





## Section 6: About Elite Screens

### 6.1 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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