# *Insta-DE 2aF Series*

## Section 1: Screen Design

### 1.1 What is it?

Convert entire walls into a dry-erase whiteboard projection screen: The ***Insta-DE 2aF*** is a self-adhesive wall covering film material that instantly converts entire walls into a professional Dry-Erase Whiteboard / Projection Screen surface for use with standard, short, or ultra-short throw projectors.

### 1.2 How does it work?

It is made with our award-winning and GREENGUARD certified ***VersaWhite*** "whiteboard-projection screen", which is coated with a long lasting anti-scratch surface for daily dry erase whiteboard usage. The ***Insta-DE 2aF*** has a special anti-reflection diffusion layer to provide a wide viewing angle for projection applications. It combines the need of both chalkboard and drop down projection screen into one simple low cost solution.

It also includes a frame border and a pen tray to further enhance and complement your installation.

## Section 2: Product Features

### 2.1 Characteristics

***Screen Material***

- Award winning and GREENGUARD certified VersaWhite material
- 1.1 gain with 180 degree wide viewing angle
- 4K Ultra HD, Active 3D, and HDR Ready
- Available in the following sizes:
  - 114" diagonal 16:10 format
  - 5'x10'
  - 5'x20'

***Design and Installation***

- Instantly converts flat surfaces/walls into a dry-erase whiteboard projection screen
- Perfect dry-erase and projection solution for today's short throw projectors
- Special anti-scratch layer to ensure long use as a projection screen and dry-erase product
- Anti-reflection diffusion surface eliminates glare and hot-spot while using a projector
- Ideal and effective instructional presentation tool in the classroom, boardroom, and training facilities
- Includes dry-erase pens, eraser, self-adhesive ABS frame border, and pen tray

***Quality and Reliability***

- GREENGUARD® and GREENGUARD® Gold Certified (UL 2818) for safe indoor emissions
- 5-year manufacturer's warranty

### 2.2 Certifications

### 2.3 Model Numbers

| Model Number | Nominal Diagonal | Aspect Ratio | Viewing Height (in) | Viewing Width (in) | Screen Material | Gain | Border Color | N.W. (lbs) | G.W. (lbs) | Packaging Dimensions (LxWxH) |
|---|---|---|---|---|---|---|---|---|---|---|
| IWB5X10W2AF | 5'X10' | N/A | 59.8 | 119.6 | VersaWhite | 1.1 | Black | 4.0 | 9.5 | 72.4"x5.1"x5.1" |
| IWB5X20W2AF | 5'X20' | N/A | 59.8 | 219.6 | VersaWhite | 1.1 | Black | 4.7 | 10.3 | 72.4"x5.1"x5.1" |
| IWB114XW2AF | 114" | 16:10 | 55.9 | 99.4 | VersaWhite | 1.1 | Black | 7.3 | 13.2 | 72.4"x5.1"x5.1" |

## Section 3: Screen Material Specifications

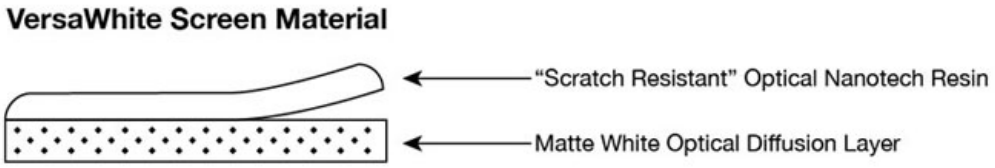
### 3.1 Characteristics

***VersaWhite*** Material performs as versatile as a Matte White screen material with the addition of being a dry-erase surface as well. The surface is coated with a scratch-resistant nanotech resin and transparent dry-erase layer for use as a white board while keeping uniform diffusion and enhancing true color rendition.

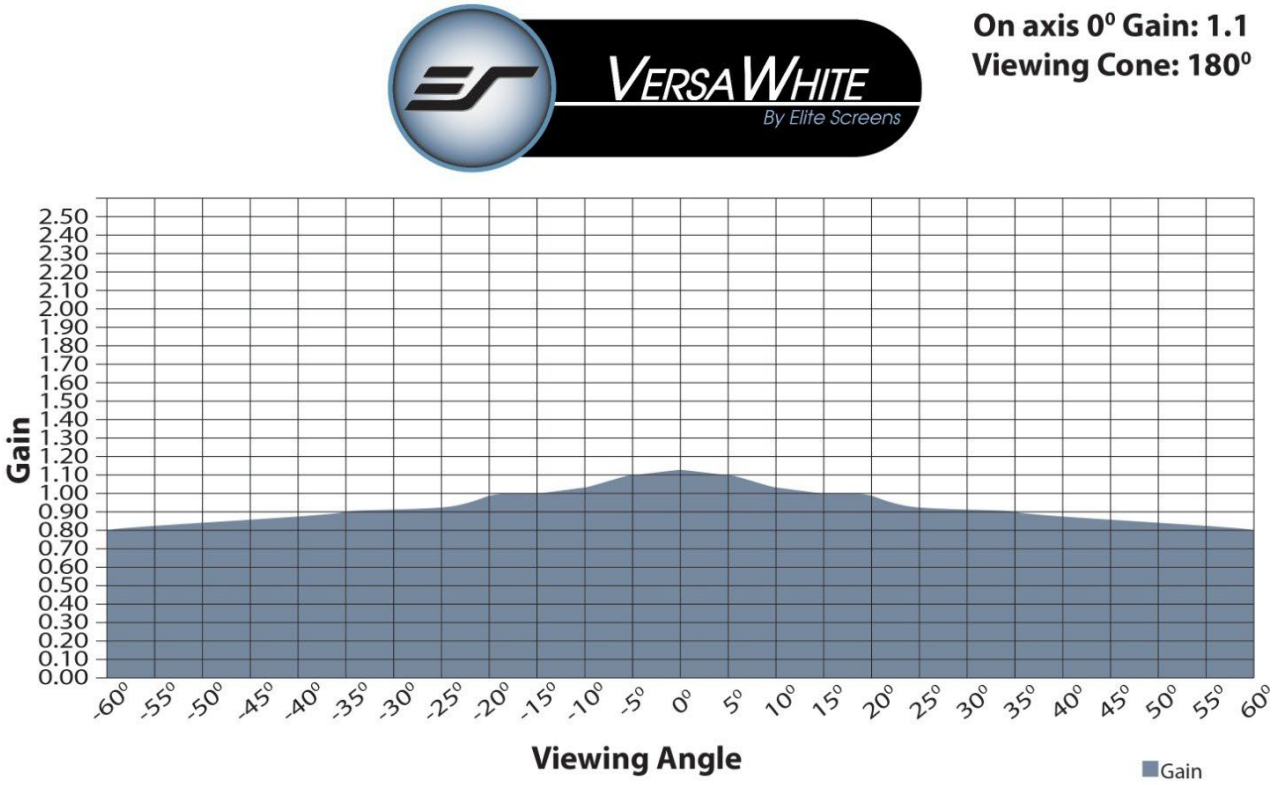
***Features& Benefits***

- Unique optical coating supports high uniformity with picture clarity dry-erase whiteboard
- Gain: 1.1
- View Angle: 180° (90° ±LR)
- Mildew Resistant
- Active 3D, 4K Ultra HD, and HDR ready
- No "glare" on projection surface
- Surface can be cleaned as dry erase whiteboard
- GREENGUARD® and GREENGUARD® Gold Certified | UL 2818

| Specifications | |
|---|---|
| Thickness | 0.36 mm (0.014") |
| Weight | 350 g/m² |
| Maximum Height | 3.2 M (10 ft) |
| On-axis Gain | 1.0 |
| Half-Gain Angle | Does not reach half gain |




### 3.2 Gain and Viewing Angle




## Section 4: Execution

### 4.1 Precautionary Notes

Before using the dry-erase function of your whiteboard screen, please make note of the following instructions to properly maintain and clean your dry-erase surface projection screen. (These Whiteboard cleaning tips are just as relevant with any dry-erase writing surface as they are with our Whiteboard-Projection Screens.)

1. Only use a high density foam eraser when removing dry-erase markings from the Whiteboard screen.
2. Do not use abrasive erasers as these may scratch the surface of the screen.
3. Never spray the whiteboard cleaner solution onto the surface while marker writing is present and then attempt to use a high density foam eraser to remove. This will only smear the dry-erase marker ink making the surface more difficult to clean and will likely ruin the foam eraser.
4. If there are any dry-erase markings left behind even after attempting to remove them using our high density erasers, spray our whiteboard cleaning solution directly onto the screen surface and use only a soft microfiber cloth to wipe-down and clean the area.

For a video demonstration, please visit: http://www.elitescreens.com/whiteboardscreen-cleaning

If replacement cleaning accessories are needed, please visit the Whiteboard cleaning accessories section of our website at http://www.elitescreens.com/clean-whiteboard

### 4.2 Product Features

- Anti-reflection surface reduces glare and hot-spot while using a projector.
- Award winning and GREENGUARD certified VersaWhite material.
- 1.1 gain with 180 degree wide viewing angle.
- Special anti-scratch layer to ensure long use as a dry-erase/projection screen.

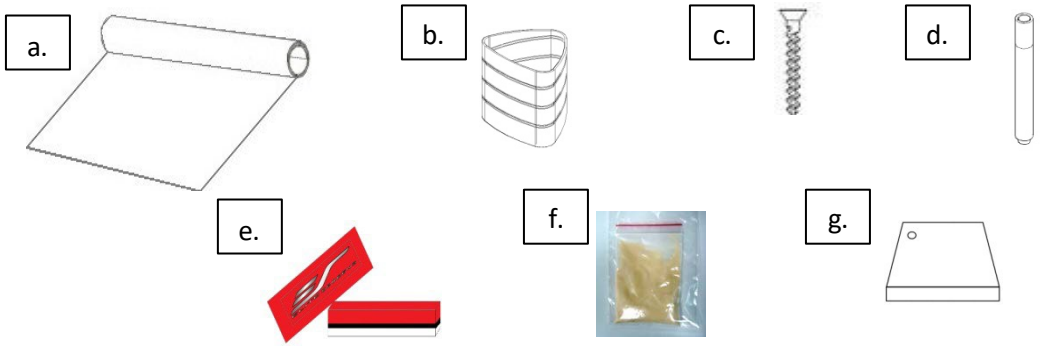
### 4.3 Application Advantages

- Instantly converts flat surfaces/walls into a dry-erase whiteboard projection screen.
- Includes adhesive black velveteen border to enhance contrast and overall appearance.
- Perfect dry-erase and projection solution for today's short throw projectors.
- Ideal and effective instructional presentation tool in the classroom, boardroom, and training facilities.

### 4.4 Product Specifications

| Specifications: | |
|---|---|
| Color display | White |
| Thickness | 2.1mm |
| Material composition | High molecular weight copolymer of Terephthalic acid ethyl esters |
| Weight | 1m$^2$/377g |
| Temperature | At room temperature |
| Gain | 1.1 |
| Viewing Angle | 180◦ |

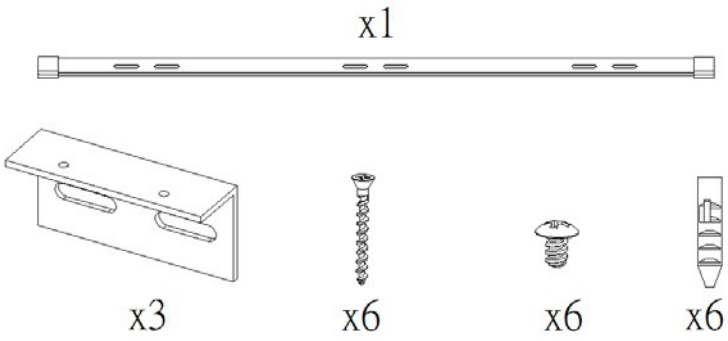
### 4.5 What's in the package?

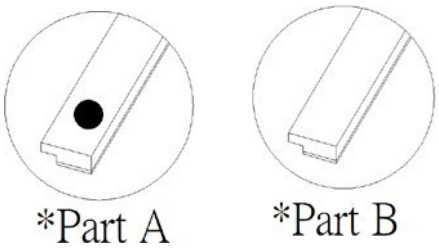



| Model Number | 1 bag (25g) | 2 bags (50g) | 3 bags (75g) |
|---|---|---|---|
| IWB86VW2 | X | | |
| IWB97XW2 | X | | |
| IWB105HW2 | X | | |

| Parts List | QTY |
|---|---|
| a. Insta-DE2a Screen Material Film Roll | 1 |
| b. Self-stick cradle | 1 |
| c. 4.5mmx30mm screw | 1 |
| d. Whiteboard pens | 2 |
| e. High density eraser | 1 |
| f. Glue Powder | See Table |
| g. smoothing tool | 1 |

| Frame Parts Qty | Part A Qty | Part B Qty |
|---|---|---|
| iWB114XW2aF | 2 | 4 |
| iWB5x10W2aF | 2 | 6 |
| iWB5x20W2aF | 2 | 10 |




Tools required (not included)

| Carpenter's Pencil | Tape Measurer | Sponge | 150 grit sandpaper | Roller cover and frame | Level |
|---|---|---|---|---|---|
| | | | | | |
| **Paint Tray** | **Dust Mask** | **Safety goggles** | **Painting tape** | **Acrylic based Primer** | **Strainer** |
| | | | | | |
| **Whisk** | **Measuring cup** | **Small bucket** | **Scraper** | **Step Stool/Ladder** | |
| | | | | | |

## 4.6 Preparing the installation surface

The ***Insta-DE 2a*** product is to be solely installed on a flat ***Level 5 surface***. The dry erase function of this product requires a smooth writeable surface. The smoother the surface, the better the result of the finished product will be.

Any surfaces that are textured (ex. orange peel, drilled holes, glue/tape residue, dents, etc.) should be patched, sanded, and primed before applying the ***Insta-DE2a*** screen. We recommend sanding the area first to make sure you have a clean flat and smooth surface. Failure to remove such imperfections can damage the product.

***EliteProAV is not responsible should these instructions are not properly followed.***

**The warranty of this product will be voided if any bubbling occurs due to the use of an after-market spray adhesive or if the screen was applied on to a textured wall**.

**Before applying the Insta-DE 2a, the application surface must be dry, clean, smooth, and structurally sound.**

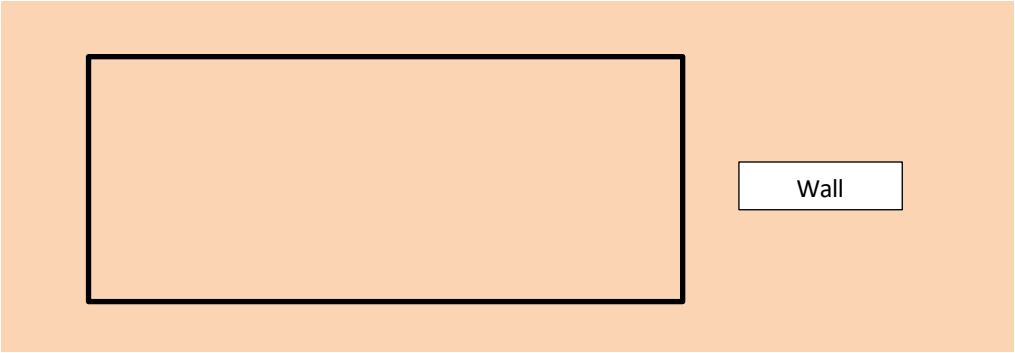
1. *Clean the surface to remove any dirt, grease, and wax.*
2. *Fill any depressions or holes with a drywall compound*
3. *Use sandpaper to smooth any bumps and blemishes. Sand until the surface is completely flat.*
4. *Level-5 finish to the surface and apply one coat of acrylic based primer.*

**Commercial use recommendation**
If you would like your screen to have a professional-grade finish that is flat, durable, and free from imperfections – EliteProAV strongly recommends hiring a professional wallpaper installer.

### 4.7 Installation

We strongly recommend two or more people for this installation.

1. Measure and draw a line around the screen installation area.




2. Apply one coat of **Professional R-35 Primer** and allow it to dry.

3. Unpack the Insta-DE 2a material from the box and lay it on a clean surface.

4. Scrape the installation area to assure a smooth surface. Sand as needed and clean dust with sponge.

5. Pour 25 oz. of room temperature water into a bucket, mix it with an entire glue powder bag and stir it with a whisk until all lumps are gone and the compound has a syrup texture. This will make the mixture into an adhesive compound for sticking the film to the wall.

   ***Note:*** Once the compound has been mixed, it must be applied within 4 hours to ensure a sealed installation of the Insta-DE 2a to the wall. ***Use one bag for every 25 oz. of water***.

6. Pour the mixed glue compound thru a strainer into a paint tray. This is to avoid using compound that has lumps which could result on the wall and causing bumps on the material.

7. Put a 3-4-inch piece of painter's tape on the outer edge markings of the screen's installation area. Space them out approximately 18 inches apart.

8. Dip the paint roller in the paint tray and evenly apply a thin coat of the glue compound to the wall surface in 5 feet increments. **Do not allow the glue to dry. Use a spray bottle to gently wet the dry areas.**

9. Carefully place and align the Insta-DE 2a on the left-hand side of the installation area. Once it has been placed, peel off18 inches of the back film to expose the self-adhesive backing and attach to the installation area.

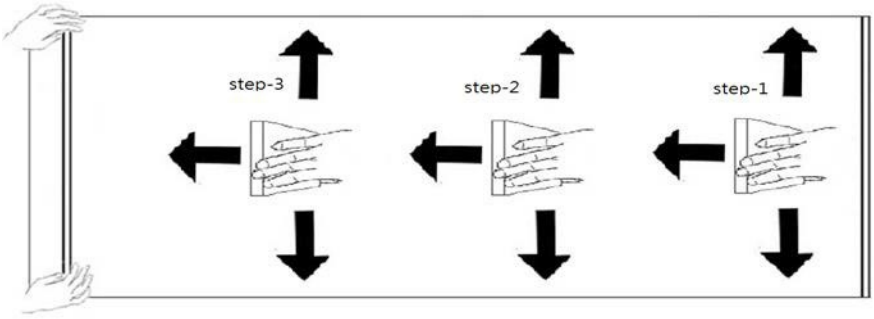
10. Use the painter's tape that was put on the outer edge and tape the Insta-DE 2a to keep it from moving.

***Note: The Insta-DE 2a material cannot be moved once attached, please make sure it is properly aligned on the marked position.***

11. Smoothing the Insta-DE 2a

a) Start from the Right-Middle area of the Insta-DE2a.
b) Make sure the Insta-DE2a adheres properly to the wall before proceeding.
c) Continue scraping as needed in an up/down/left direction as shown in the picture below, Step-2, Step-3.

Continue doing this until all material is attached.




12. Final Inspection:

Flash a light source directly on the surface of the Insta-DE2a to help inspect for air bubbles or dust.

***Note:*** The Insta-DE2a should not come off at this stage. If air bubbles are present, the only way to remove them is to smooth them out.

13. Adhesion curing time:

In order to allow the Insta-DE2a and wall to properly bond, please refrain from touching and using the dry-erase feature of the Insta-DE2afor a period of 2 days after the installation has been completed.

### 4.8 Self-adhesive Method for non-porous surfaces

1. Wall preparation: Clean the entire non-porous surface with a wet sponge or a lint-free towel

2. Measure and draw a line around the screen installation area.

3. Moisturize the screen installation area:

a) Spray water on the screen installation area evenly with a sprayer.
b) Make sure the entire area where the Insta-DE2a will be installed is wet lightly (do not drench).

Note: The adhesive may not stick appropriately if the installation area is not sufficiently wet.

4. Procedures for attaching the material:

a) Carefully place and align the Insta-DE2a on the right-hand side of the installation area. Once it has been placed,peeloff18 inches of the back film to expose the adhesive.
b) Spray the adhesive area to allow the Insta-DE2a the ability to move within the wet installation area.
c) Press the Insta-DE2a down with both hands to firmly position it in place.
d) As one person holds the Insta-DE2a in place, the other person peels off the backing from right to left.
e) Spray the exposed adhesive back of the Insta-DE2a and continue until the entire area is wet.
f) The Insta-DE2a material at this point can be easily moved and adjusted within the installation area if needed.

5. Smoothing, scrapping out air bubbles and water:

**Caution:** The scraper's edge is sharp. Carefully scrape the screen in a 45 degrees angle when removing air bubbles to avoid scratching the surface.

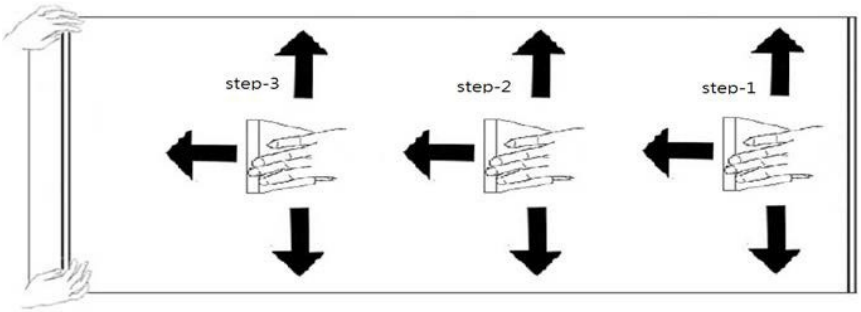
a) Start from the Right-Middle area of the Insta-DE2a. Scrape up/down/left to remove the air bubbles/water and dry any water excess with a lint-free cloth.

**Note 1**:

a) Dust or other matter may reside within the Insta-DE2a and the wall. To remove such debris, simply peel back the Insta-DE2a from the wall and clean it with the mixture described in step 3-a.
b) Make sure the Insta-DE2a adheres properly to the wall after cleaning before proceeding.
c) Continue scraping as needed in an up/down/left direction as shown in the picture below, Step-2, Step-3.

**Note 2**:

Occasionally, water may come back in the areas that were just scrapped out. To avoid this from happening, please make sure to dry any excess water immediately with a clean sponge or lint-free cloth as soon as water is squeezed out.



6. Final Inspection:

Flash a light source directly on the surface of the Insta-DE2a to help inspect for air bubbles or dust.
***Note:*** The Insta-DE2a should not come off at this stage. If air bubbles are present, the only way to remove them is to use a scraper to squeeze them out.

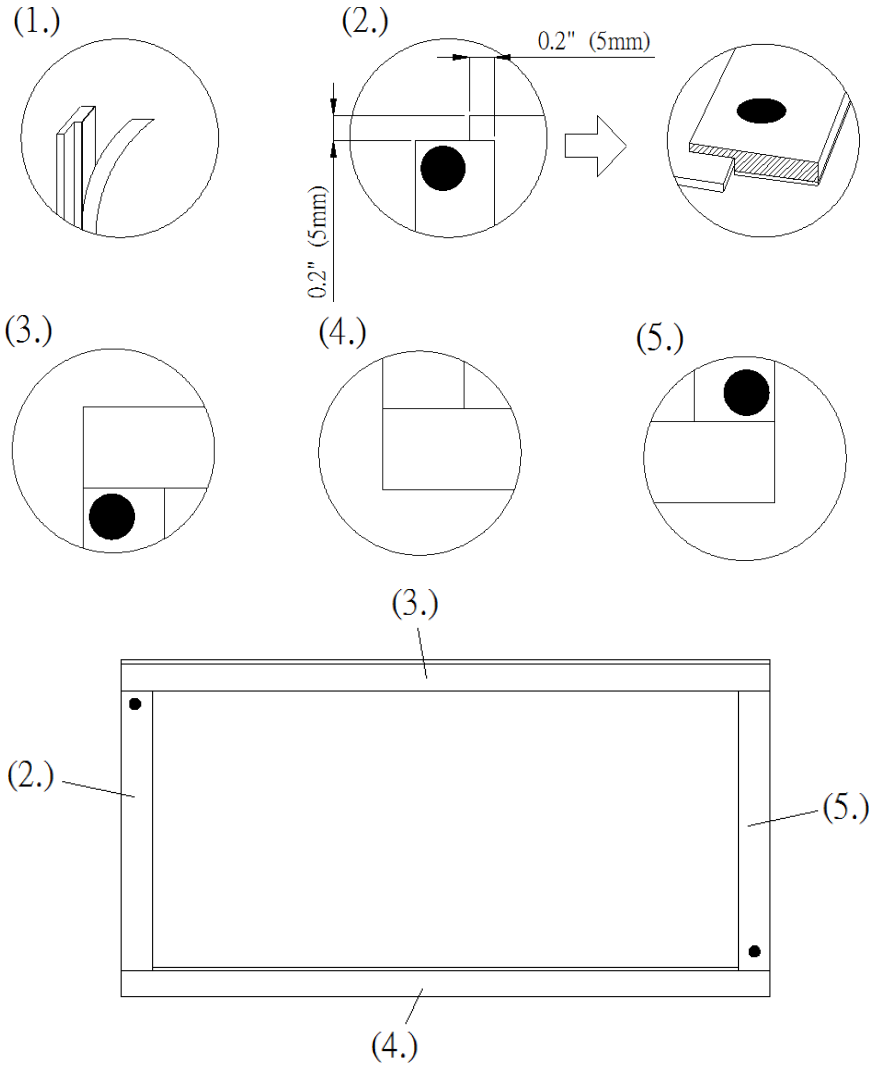
7. Adhesion curing time:

a) In order to allow the Insta-DE2a and wall to properly bond, please refrain from touching and using the dry-erase feature of the Insta-DE2a for a period of 2 days after the installation has been completed.
b) It is normal for the surface of Insta-DE2a to have slight wavy edges. These will go away and flatten after 1-2 days.

### 4.9 Frame Border Installation

The circular labels on the vertical frame pieces indicate their proper position for completing the installation. Proceed with Step 1 to begin.

***Attention:*** *Please be sure that the walls are clean and free of debris before installing the frame.*

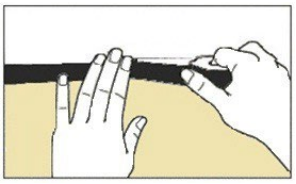


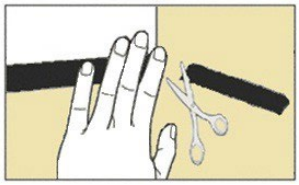
### 4.10 Adhesive black velvet border installation

**The following steps are intended for the Insta-DE 2a Series only.**

1. Measure the top/bottom and left/right sides of the Insta-DE2 screen to obtain the required length of the velvet border you will need to use for bordering your screen.

2. Peel a small portion off of the velvet border and place it about half an inch over the white area of the screen. Continue to peel off and roll out the remainder of the velvet border until you have reached the end and cut the edge.

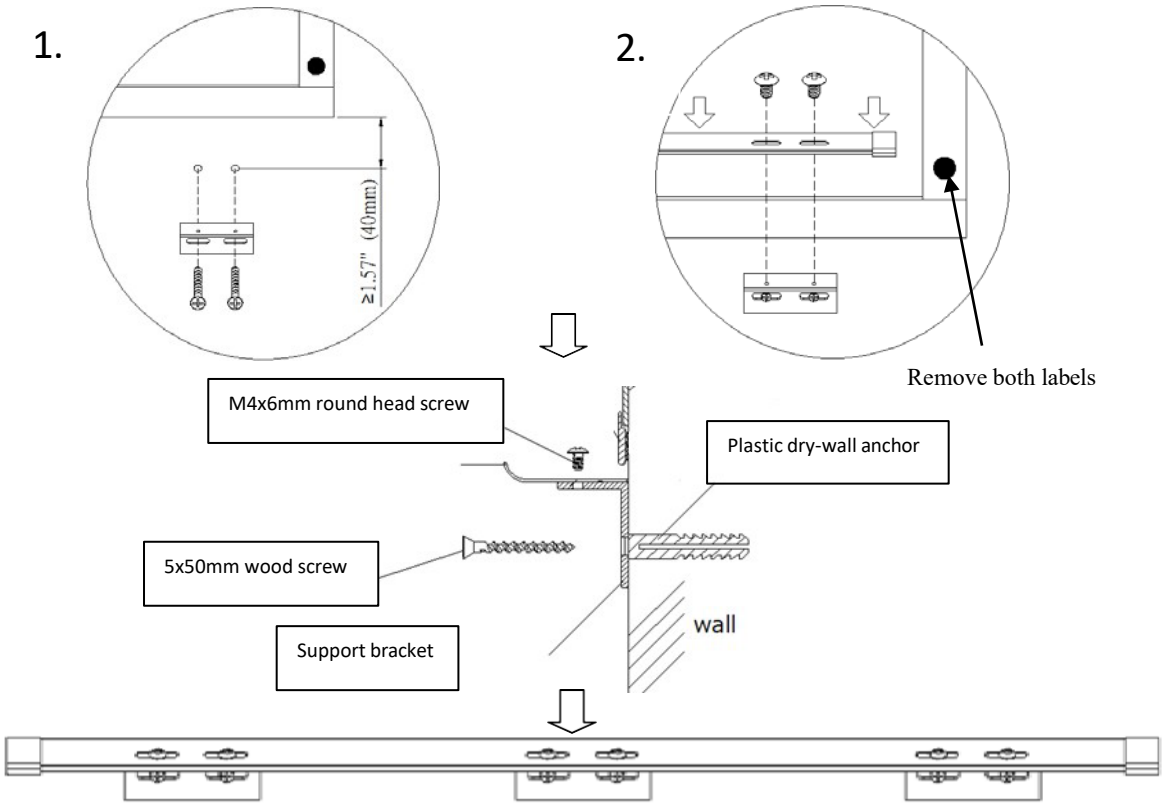




***Note: For best results we recommend cutting the edge in a 45° angle.***

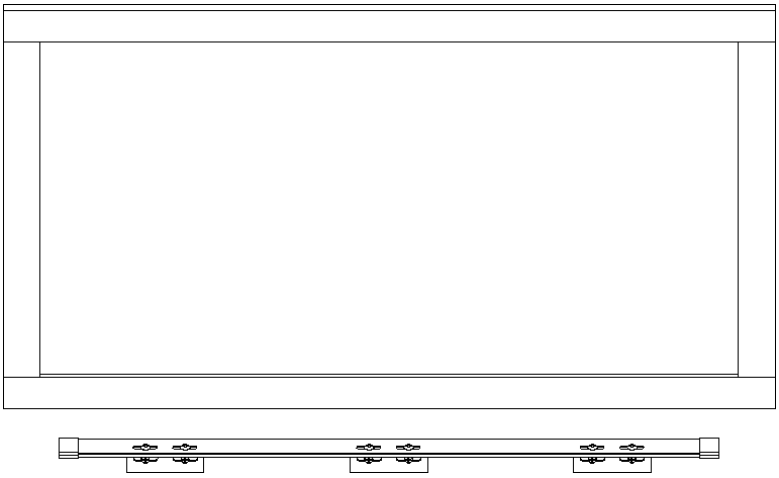
3. Repeat the process for the remainder of the sides until all sides are bordered as shown below.

### 4.11 Tray Installation



Attach the wall brackets to the wall and tray as shown above to complete your installation.

DIAGRAM OF FINISHED INSTALLATION



**Use only the included erasers to remove and erase dry-erase markings. For a deep clean, we recommend using a non-alcohol based dry-erase board cleaner with a soft microfiber cloth.**

Elite offers a replacement kit (**part number ZER3**) which includes:

- 1 x bottle of 8.45 oz cleaning solution
- 1 x microfiber cloth
- 2 x high density foam erasers
- 2 x sets of dry-erase markers (4 total)

Contact your reseller or visit shop.elitescreens.com for pricing and purchase .

### 4.12 Safety Precautions

1. Avoid using sharp objects directly on the screen which can result in permanently damaging the product and voiding your warranty.
2. Creases or wrinkles caused by improper installation are not removable.

**Please be advised:**

The above picture is the result of an improper installation. The main factor that contribute to this should be avoided per the tips below.

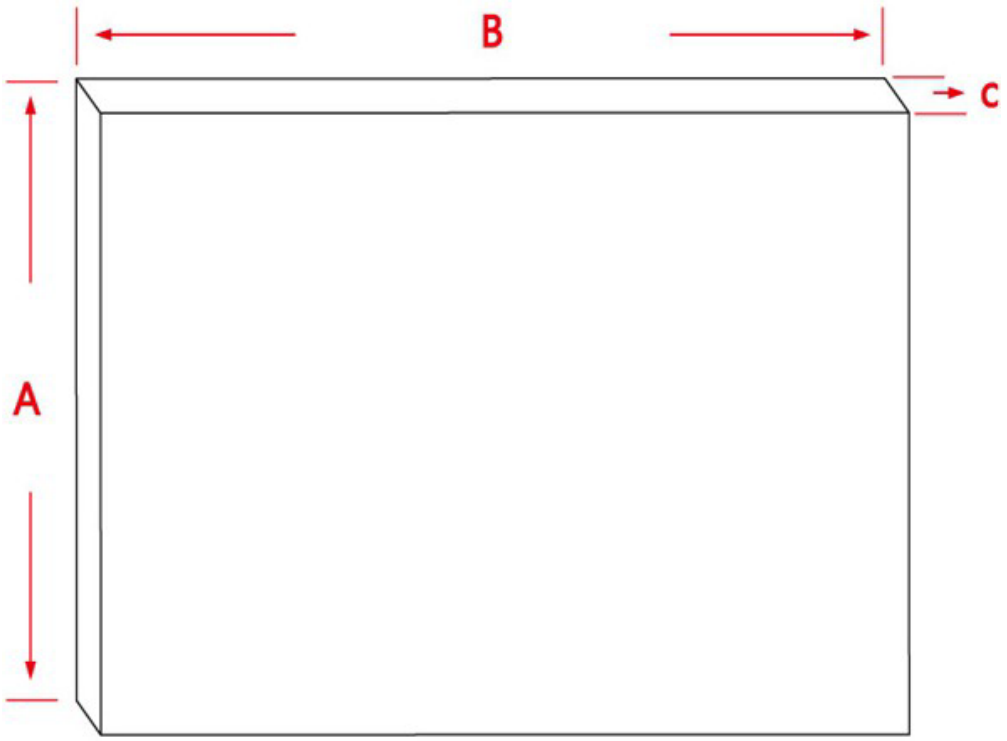
- The surface to which you are installing this material to should be perfectly smooth. If in case the surface is uneven, it is recommended to place a smooth board over the desired space of the install first. This will eliminate any bubbling of the material over time.

## Section 5: Product Specifications

### 5.1 Dimensions

| Model Number | Diag. Size | Aspect Ratio | View Height (A) | View Width (B) | Frame Height (A1) | Frame Width (B1) | Tray Width (B2) | D | D1 |
|---|---|---|---|---|---|---|---|---|---|
| Unit: Inches | | | | | | | | | |
| IWB5X10W2AF | 5'X10' | N/A | 59.8 | 119.6 | 59.8 | 121.1 | 50.8 | 0.1 | 1.8 |
| IWB5X20W2AF | 5'X20' | N/A | 59.8 | 219.6 | 59.8 | 221.1 | 50.8 | 0.1 | 1.8 |
| IWB114XW2AF | 114" | 16:10 | 55.9 | 99.4 | 55.9 | 100.9 | 50.8 | 0.1 | 1.8 |
| Unit: mm | | | | | | | | | |
| IWB5X10W2AF | 5'X10' | N/A | 1520 | 3038 | 1520 | 3076 | 1290 | 4 | 45 |
| IWB5X20W2AF | 5'X20' | N/A | 1520 | 5578 | 1520 | 5616 | 1290 | 4 | 45 |
| IWB114XW2AF | 114" | 16:10 | 1419 | 2523 | 1419 | 2563 | 1290 | 4 | 45 |

### 5.2 Drawings

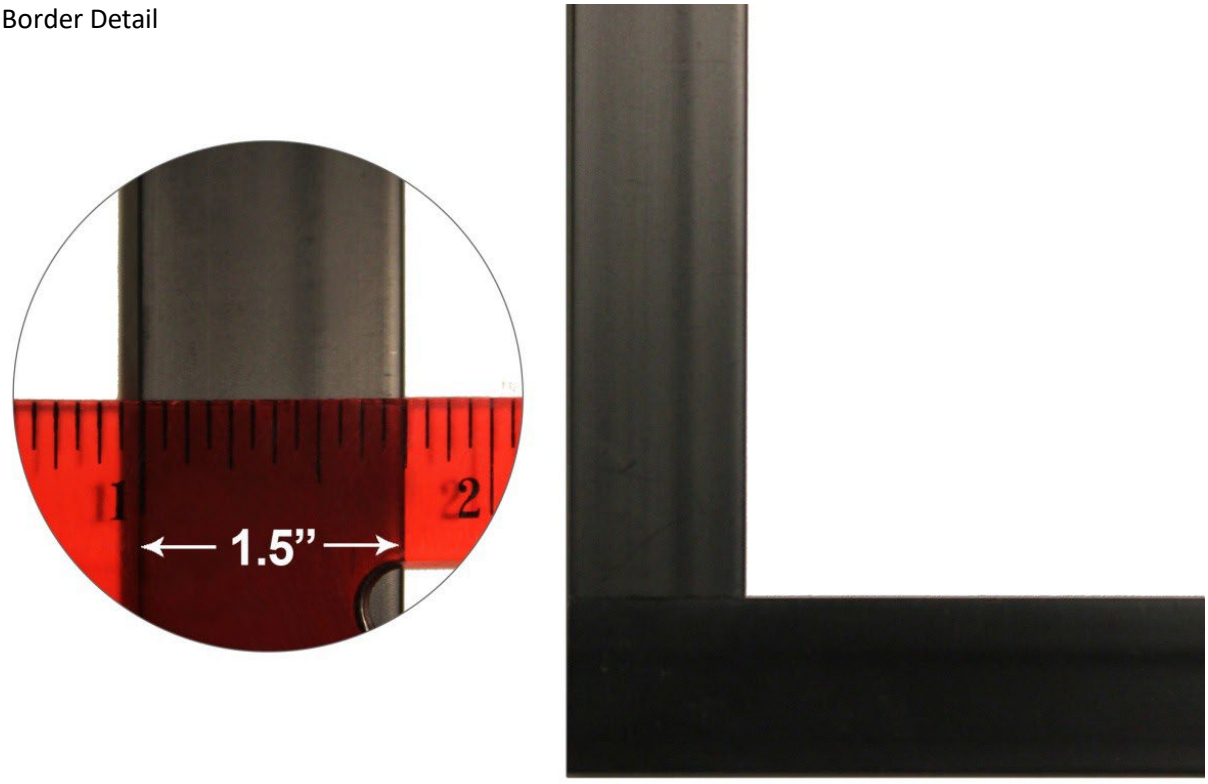


### 5.3 Pictures

***Insta-DE 2a Series***

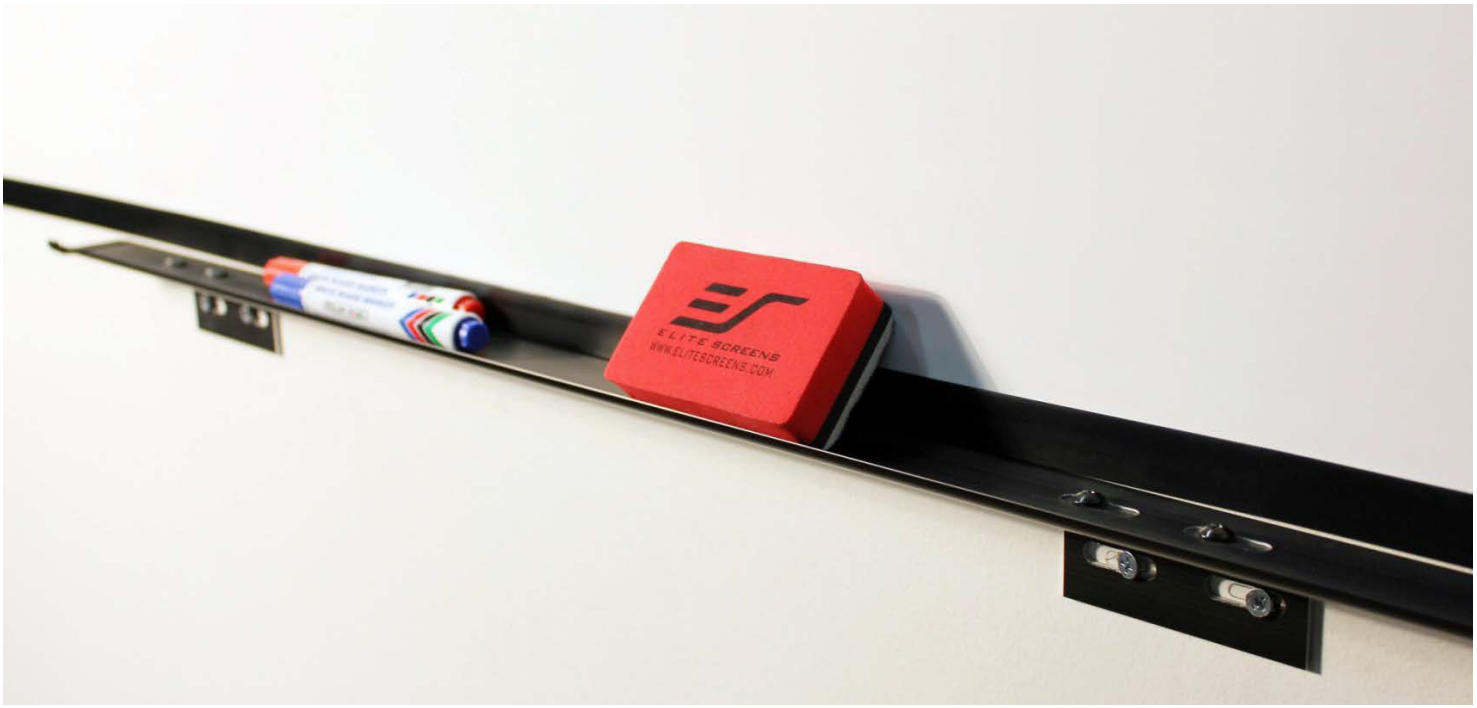
***Insta-DE 2a Series*** Rolled

Frame Border Detail




**Black self-adhesive durable ABS plastic frame strips**

Pen Tray Detail



Life Style

## Section 6: Company Description

### 6.1 About EliteProAV™

EliteProAV™ is a the manufacturer of projector screens for the commercial AV sales channel. It is a division of Elite Screens Inc., an ISO9001:2015 certified manufacturer that is presently the leading international brand of CE Retail projector screens with offices located worldwide.

EliteProAV™ provides an array of dedicated commercial grade projector screens for professional integrators. This includes certified products that are also compatible with building codes as well as programs, warranties and trained professionals to assist installers every step of the way. Product is available through a series of regional warehouses located in Southern California, Texas, Georgia, and Maryland. EliteProAV™ is located at 12282 Knott St. Garden Grove, CA 92841. For more information, please call (562) 483-8198 or visit http://www.eliteproav.com.

###