



# POLACOAT® IN-WALL

Rigid Rear Projection Screens

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## SPECIFICATION DATA

### DA-PLEX

#### SUGGESTED SPECIFICATIONS:

#### DA-LITE'S POLACOAT® DA-PLEX IN-WALL REAR PROJECTION SCREENS

Rear projection screens shall be Da-Lite's Polacoat® In-Wall Da-Plex, Type DA-100, DA-150, DA-180, DA-230, DA-75WA, DA-100WA or Video Vision in thicknesses of 1/4", 3/8" or 1/2" as manufactured by Da-Lite Screen Company, Inc., Polacoat® Division, Blue Ash, Ohio. The screen substrate shall be clear acrylic plastic. The substrate shall have an optical coating on one surface not exceeding .004" in thickness. The overall size of the acrylic panels shall be as detailed with tolerances of ±.125" for 1/4" or ±.250" for 3/8" or ±.375" for 1/2".

#### NOTES:

Da-Plex rear projection screens shall be mounted with the coated surface toward the audience.

Job site installation and framing shall conform to manufacturer's recommendations.

Da-Plex screens cannot be cut in the field.

#### OPTIONAL EXTRAS:

- High Contrast Tint
- Factory mounted aluminum frame

#### DA-PLEX... Available Sizes for Various Thicknesses\*

Thickness	Approx. Net Wt. Per Sq. Ft.	Approx. Ship. Wt. Per Sq. Ft.
1/4" – up to 9'x18'	1 1/2 lbs.	9 lbs.
3/8" – up to 9'x18'	2 1/4 lbs.	12 lbs.
1/2" – up to 9'x18'	3 lbs.	15 lbs.

\*Larger sizes available upon request and special order

### DA-GLAS

#### SUGGESTED SPECIFICATIONS:

#### DA-LITE'S POLACOAT® DA-GLAS IN-WALL REAR PROJECTION SCREENS

Rear projection screens shall be Da-Lite's Polacoat® In-Wall Da-Glas, Type DA-100, DA-150, DA-180, DA-230 or Video Vision in thicknesses of 1/4", 3/8" or 1/2" as manufactured by Da-Lite Screen Company, Inc., Polacoat® Division, Blue Ash, Ohio. The screen substrate shall be clear float glass. The substrate shall have an optical coating on one surface not exceeding .004" in thickness. The overall size of the glass panels shall be as detailed with tolerances of ±.125" for 1/4", ±.250" for 3/8" or ±.375" for 1/2".

#### NOTES:

Da-Glas rear projection screens shall be mounted with the coated surface toward the audience.

Job site installation and framing shall conform to manufacturer's recommendations.

Da-Glas screens cannot be cut in the field.

#### OPTIONAL EXTRAS:

- High Contrast Tint
- Factory mounted aluminum frame

#### DA-GLAS... Available Sizes for Various Thicknesses\*

Description	Approx. Net Wt. Per Sq. Ft.	Approx. Ship. Wt. Per Sq. Ft.
1/4" – up to 8'x12'	3 1/2 lbs.	12 lbs.
3/8" – up to 10'x20'	5 1/4 lbs.	16 lbs.
1/2" – up to 10'x20'	7 lbs.	20 lbs.

\*Larger sizes available upon request and special order

### INDICATE OVERALL DIMENSIONS OF SCREEN PANEL(S)

Viewing Area H= \_\_\_\_\_ W= \_\_\_\_\_ Overall Size H= \_\_\_\_\_ W= \_\_\_\_\_

### PLEASE MARK APPROPRIATE SELECTIONS:

#### Select optical coating:

- VIDEO VISION: A special coating process produces a unity gain screen ideal for video projection under controlled light conditions. With an exceptionally wide viewing cone each seat in the audience will observe a uniform, bright, sharp image with chromatic fidelity.
- DA-100: The DA-100 coating is neutral gray in appearance and produces an on-axis gain of 1. This is the most uniform of all diffusion screens with contrast enhancement. This gain is particularly suited to high-resolution applications.
- DA-130: The DA-130 coating is a neutral gray diffusion coating designed to provide a moderate amount of brightness for applications where ambient light is controllable and moderately wide viewing angles are required.
- DA-150: A neutral gray screen offering an on-axis gain of 1.5, the DA-150 is a surface well suited for applications whose viewing angles are not large but can benefit from moderate screen gain.
- DA-180: The neutral gray DA-180 screen's gain is 1.8. This is a particularly good surface when reduced viewing angles can allow for a higher gain performance. The half angle of the DA-180 is 30° with a generous viewing cone of 60°.
- DA-230: The DA-230 is a 2.3 gain, neutral gray screen. This screen's half angle is 25° with a viewing cone of 50°. Because of its higher gain, the DA-230 can successfully compete with larger amounts of ambient room light than lower gain screens.

#### Wide angle optical coatings (available only on Da-Plex):

- DA-75WA: A light gray diffusion coating with a .75 gain and extremely wide viewing angles. DA-75 WA is designed for use in applications where a short throw lens is required. Due to the increased half angles, DA-75 WA performs well with wide format screens. From the viewer's perspective, side-to-side uniformity of the screen is maximized.
- DA-100WA: A light gray diffusion coating that provides a unity gain and especially wide viewing angles. This wide angle optical coating is designed for use in applications where a short throw lens is required. Due to the increased half angles, DA-100 WA performs well with wide format screens. From the viewer's perspective, side-to-side uniformity of the screen is maximized.

Note: Custom gain screens available upon request.

Select substrate:  Da-Plex (acrylic)  Da-Glas (glass)

Select optional extra:  High contrast tint

Select optional light baffle:

- Zero Gap - available on Da-Plex  $\frac{3}{8}$ " thick panels up to 60" high and  $\frac{1}{2}$ " panels up to 84" high.
- T-Mullion - available on  $\frac{1}{4}$ " thick panels up to 60" high.

Select optional factory installed frame: \*

- Deluxe frame (All thicknesses; up to 10'x20')
- Standard frame ( $\frac{1}{4}$ " and  $\frac{3}{8}$ " only)
- Base frame ( $\frac{1}{4}$ " only; Da-Plex to 6'x8'; Da-Glas to 4'x5')
- Self trimming (up to 9'x16')

Project: \_\_\_\_\_

Architect: \_\_\_\_\_

Phone: \_\_\_\_\_

Contractor: \_\_\_\_\_

Phone: \_\_\_\_\_

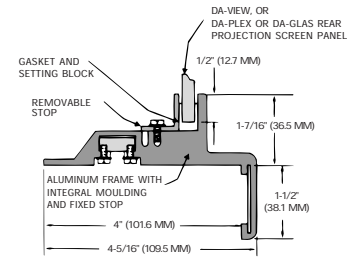
Supervisor: \_\_\_\_\_

Phone: \_\_\_\_\_

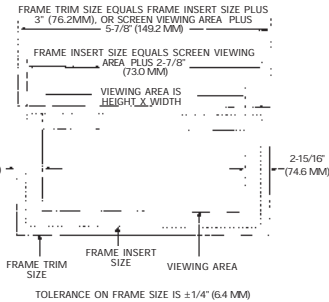
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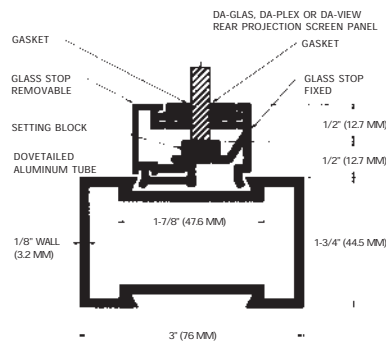
**SELF TRIMMING FRAME**



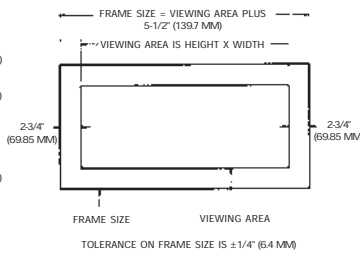
APPROXIMATE NET WEIGHT PER LINEAR FOOT  
2 LBS. 8 OZ. (3.70 KG/M)



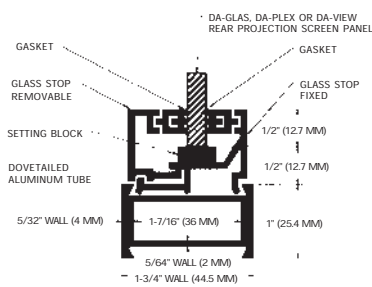
**DELUXE FRAME**



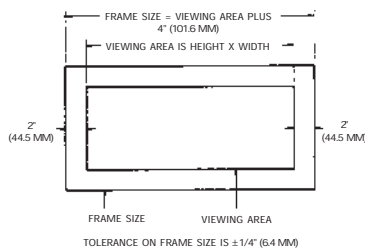
APPROXIMATE NET WEIGHT PER LINEAR FOOT:  
1 LB. 13 OZ. (2.70 KG/M)



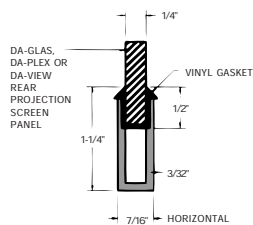
**STANDARD FRAME**



APPROXIMATE NET WEIGHT PER LINEAR FOOT:  
1 LB. (1.48 KG/M)



**BASE FRAME**



APPROXIMATE NET WEIGHT PER LINEAR FOOT:  
5 OZ. (1.42 KG/M)

