Installation Instructions

High Contrast Black Rear Projection Screen by Draper

Receiving

All High Contrast Black screens are shipped in durable wooden crates and are packaged in accordance with accepted packaging standards for this type of material. However, occasionally a shipment will incur freight damage due to particularly rough handling in transit. Therefore, High Contrast Black screens should be inspected immediately upon delivery. Any obvious damage should be noted on the freight bill when the shipment is received. If concealed damage is discovered, notify the delivering carrier immediately! An inspection by a representative of the delivering carrier must be made within 14 days following receipt of shipment. Many carriers do not honor claims for concealed damage unless they are notified within three days. Neither we nor our dealer can accept responsibility for claims arising from merchandise damaged in shipment unless the above procedure is followed.

After inspection has been made, the shipping crate should be sealed until installation.

NOTE: High Contrast Black screens are extremely delicate. High Contrast Black screens should be handled and stored upright at all times.

Unpacking

All High Contrast Black screen crates are labelled on the “PROJECTOR SIDE.” Use extreme care in unpacking to avoid scratching the lens surfaces. Do not use knives to remove wrapping. Use soft cotton gloves, a soft cloth or tissue paper as a hand pad.

Before removing wrapping, compare the size of the finished aperture with the High Contrast Black screen panel. High Contrast Black screens should not be cut or altered in the field. Any alteration of a High Contrast Black screen after it leaves our plant automatically voids the product warranty.

Installation

It is imperative that High Contrast Black screens be installed in a framing system with black bead lens (straight pattern) facing the audience. To obtain optimum image quality, it is essential to adhere to the following guidelines:

- The projector should be mounted to allow the light path to pass from the projector lens through the approximate center of the High Contrast Black screen, to the audience’s viewing point, in a straight line.
- Ideally the High Contrast Black screen should be installed perpendicular to the above light path.
- Refer to High Contrast Black screen specifications for optimum projected throw distance.

NOTE: To comply with these guidelines, the High Contrast Black screen may be tilted up to 10° if necessary. The High Contrast Black screen must be mounted securely.

Make sure all other aspects of construction have been completed before High Contrast Black screen installation, including painting and cleanup. If additional finish work must be done after installation, cover screen with clear polyethylene sheeting until all work has been completed. (In a facility that is still under construction, more protection is warranted, such as a masonite or homocel covering. Hard coverings must not be allowed to contact coated surface directly.)

Cleanup

Dust may be removed from High Contrast Black screen surface with a soft clean cloth or by vacuum cleaning with a soft brush. For removal of stains use a mild soap and distilled water solution. Wring free of excess moisture before applying, rinse and blot dry. Do not rub. Do not use solvents of any type without Draper’s recommendation.

Framing Details

See page 2 for suggested framing details.

Framing Systems

A wide variety of field-installed framing systems may be used and provided by a source other than Draper. Aluminum, wood and steel are all suitable materials. It is essential that any High Contrast Black screen be fully isolated from load bearing, and a minimum of 3/8” clearance must be allowed for insertion. Consult a qualified glazing specialist when planning any High Contrast Black screen field installation. Information about Draper's factory-installed framing system, Cineframe, is on the reverse side.

If you encounter any difficulties installing or servicing your High Contrast Black screen, call your dealer or Draper, Inc., Spiceland, Indiana, (765) 987-7999, and fax (765) 987-7142.
Cineframe

Optional Factory–Installed Framing Systems for Draper High Contrast Black Screens

Rigid rear screen installation costs and problems are virtually eliminated with factory-installed Cineframes. Simply place the screen in the finished wall opening, shim into position, and trim as desired. Three styles available. All are extruded of 6063-T5 alloy anodized aluminum.

System 400

System 400 simplifies your installation. Cut a rough opening \( \frac{3}{8} \)" larger than the overall frame size*, slide the screen in and bolt into place. No finish carpentry required. System 400 has a 1\( \frac{1}{2} \)" wide dress trim that hides the opening. The audience only sees an attractive frame around a rear screen. Suitable for all sizes of High Contrast Black screens. Black finish. Weighs 1 lb., 7 oz. per lineal foot. Reduces clear viewing area by \( 1" \) in each dimension.

*Add \( \frac{1}{2} \)" to overall screen size to calculate the overall size of that portion of the System 400 Cineframe which fits within the rough opening.

System 200

Adds \( 4\frac{1}{4}" \) to overall size of screen; reduces viewing area by \( 1" \) in each dimension. Cut a rough opening \( \frac{3}{8} \)" larger than the overall frame size. Suitable for any size High Contrast Black screen. Choice of clear anodized or black finish. Weighs 1 lb. per lineal foot.

System 100

Simple, clean frame for smaller High Contrast Black screens. Cut a rough opening \( \frac{3}{8} \)" larger than the overall frame size. Adds \( 1\frac{1}{4}" \) to overall height and width of screen; reduces clear viewing area by \( \frac{7}{8}" \) in each dimension. Suitable for all sizes High Contrast Black screens. Choice of black or clear anodized finish. Weighs 3 oz. per lineal foot.

Framing Systems by Others

Field-installed framing systems may be used and provided by others. Steel, wood and aluminum are suitable materials. The High Contrast Black screen must be isolated from load bearing, and a minimum \( \frac{3}{8}" \) clearance must be allowed for insertion into the opening. High Contrast Black framing systems should allow for acrylic expansion. Consult a qualified glazing specialist.

VideoWall/Multiple Screen Frame Systems

Zero Edge

Clear Lexan®