

# AO PolyPanel

## specifications

### General

- *AO PolyPanel™ is a combination of Compatico AO-series panels with add-on segments to provide a segmented appearance in a monolithic structure. Following specifications cover only the panels. Refer to Compatico Specifications (AO1 or AO2) for specifications of the remainder of the system.*
- Shall be an established product with a national and international distribution network for clients with remote sites.
- Shall offer factory-based assistance including
  - CAD-based drawing (of furniture) services at no charge
  - Drawing & application review before order
  - Technical assistance
- Shall be approved for sale to General Services Administration (GSA).

### Panels

#### General

- Design shall offer appearance of a tiered panel but be of a monolithic construction.
- Shall offer a variety of options for 'top' segment, including
  - Fabric covered
  - Open frame
  - Marker Board
  - Glazed, with glazing options: Clear, Smoke, Frosted
- The panel system must meet the class A requirements for flame spread and smoke development as specified by the National Fire Protection Association (NFPA) in the 1988 Life Safety Code No. 101 and the Underwriters Laboratories requirements for use with energy distribution components.
- Panels must be UL listed/CSA certified and labeled.
- Frames shall allow for non-progressive panel removal or replacement.
- Panel heights shall be a range of 42" high to 67" high
  - 42" Traditional Reception height
  - 48" Nominal seated visual privacy
  - 62" Traditional standing visual privacy
- Widths shall vary from 24" wide to 60" wide, in traditional architectural 6" modularity, except 18"w and 54"w: 24", 30", 36", 42", 48" and 60".
- Panels must be equipped with adjustable leveler glides at least 2½" long.
- The panel system must employ a non-progressive entry system where installation may begin with any partition in the run.
- Shall include a broad array of fabric selections and price grade levels ( includes eighty (80) patterns in five (5) grade/price levels).
- Panels must be less than two inches thick and lightweight (e.g., one person can easily maneuver panels of any height, less than 60 inches wide).
- Panel connection system must be a self-aligning, metal-to-metal wedge-and-block system.
- The panel-to-panel and panel-to-connector joint design shall incorporate an integrated seal designed to seal out light and noise transmission through it.
- The system must not have product 'generation' changes that restrict full integration of current product with original product without adapters or modifications. Enhancements to the original design must be fully useable with the original generation (non-obsolence).
- Panel base raceway must accommodate a minimum of twenty 25-pair cables in a powered panel and up to forty 25-pair cables in non-powered panels.

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### *Fabric Covered Panels*

- *Panel frame construction:* frame shall be made of 1.75" thick oriented strand board (OSB) vertical stiles and horizontal rails. Core shall be honeycomb construction of nominal 4½" X 4½" cells made of corrugated material. Frame bottom inside corners must be reinforced with added wood blocks glued-in from the corner to across glide hole. Frame and core shall be bonded between two hardboard sheets. Panel faces shall be uniform in appearance and show no blisters, tears, waviness, or core telegraphing. There shall be no delamination. Each side of the frame shall be completely covered with upholstery fabric. Panel top edge shall be completely covered with a powder coated, extruded aluminum top cap with a barbed "T" pressed into a groove machined into the top horizontal rail. Panel end trim shall be roll-formed 14-gauge cold-rolled steel powder coated to match the top cap. Enamel-coated cold rolled steel hanger frames shall have slots at one-inch increments for suspension of components. Cast aluminum wedge blocks shall permit assembly of panel to adjacent panels, connectors or end caps with use of appropriate hardware.

### *Marker Board, Open Frame & Glazed-Frame Top Segment*

- *Segment frame construction:* frame shall be constructed of welded 18 gauge cold rolled rectangular steel tubing, 1" x 1.75" cross section with powder coat finish. All welds shall be ground smooth and flush at joints. Marker Board and glazing retainer shall be extruded, rigid polyvinyl chloride (PVC). Color of retainer shall be color-through and match that of frame. Marker Board sheet shall be ¼-inch thick, overall, with hardboard core laminated with white melamine both sides. Glazed sheet shall be ¼-inch thick acrylic glazing in clear, frosted or smoke. Panel top edge shall be completely covered with a powder coated post-formed, cold rolled steel top cap adhered with double-face tape. Panel end trim shall be roll-formed 14-gauge cold-rolled steel powder coated to match the frame and top cap. Segments shall be screwed to bottom body panel (constructed same as fabric-covered panels) and retained on sides by same panel end trim.

## **Warranty**

Compatico "Customer First Service" warranties its products to be free from defects in material and workmanship for a period of (10) years from the date of initial delivery. This warranty is not transferable and is only given to the original purchaser. Exceptions to the initial 10-year warranty are as follows:

Fabric: Compatico fabric grades 1,2, and 3 have a 3-year warranty period.

Fabric: All COM fabrics (fabrics specified and purchased by buyer) that are not standard grades 1, 2, and 3 Compatico fabrics are not warranted.

Electrical: Compatico electrical products have a 5-year warranty period.

This warranty made by Compatico is only to original purchaser acquiring the product directly from Compatico, its authorized dealers, or others who are specifically authorized by Compatico to sell such products. Compatico's obligation and the purchaser's remedy pursuant to this warranty are : limited to repair or replacement, at Compatico's option, FOB Compatico's headquarters, of replacement parts which prove, under normal use, to be defective within the period stated, which remedy is expressly agreed to be exclusive as a condition of such replacement. No person, firm, or corporation is authorized to assume for Compatico any other liability in connection with COMPATICO products. Customer will get credit for returns only after received by COMPATICO and must be returned in 30 days.

THERE ARE NO WARRANTIES EXCEPT AS EXPRESSLY SET FORTH ABOVE, EITHER EXPRESSED OR IMPLIED, INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE. COMPATICO'S LIABILITY WITH RESPECT TO ITS PRODUCTS SHALL NOT EXCEED THAT EXPRESSLY SET FORTH ABOVE IRRESPECTIVE OF THE THEORY UPON WHICH ANY CLAIM MIGHT BE BASED INCLUDING BREACH OF CONTRACT, WARRANTY, NEGLIGENCE, OR STRICT LIABILITY ON TORT. UNDER NO CIRCUMSTANCES SHALL COMPATICO BE LIABLE FOR SPECIAL INCIDENTAL, OR CONSEQUENTIAL DAMAGES.

This warranty does not apply to damages resulting from shipment, storage, accident, alteration, misuse, assembly or installation. All claims under this warranty must be authorized in writing by COMPATICO prior to the repair or replacement of products.