



SPECIFICATIONS

PART 1 GENERAL

1.1 Summary

- A. Work included in this section: Provision of shutter window coverings, frame and installation.
- B. Related work not included in this section: Wall preparation.

1.2 System Description

- A. Performance Requirements: Provide shutters that conform to the following requirements of regulatory agencies and the quality control of Polytec®.
- B. Fire Performance Characteristics: Provide shutters that conform to the minimum requirements of flame resistance established by the California State Fire Marshal for products identified in Section 13115, California Health and Safety Code.

1.3 Submittals

- A. Product Data: Manufacturer's printed features and benefits for each type of shutter specified.
- B. Paint Sample: Samples of Polytec® paint colors.
- C. Louver Sample: Verification sample of custom aluminum core Polytec® louvers.
- D. Frame Sample: Standard Polytec® frame.
- E. Warranty Information

1.4 Delivery, Storage and Handling

- A. Shutters are delivered fully assembled in manufacturer's packaging, except special requirements.
- B. Store all products in manufacturer's packaging until ready for installation.
- C. Inspect materials at delivery to assure that specified products have been received and free from defects.
- D. Store delivered products inside in a clean, safe, dry and climate controlled area environment.

1.5 Warranty

- A. 10 year Limited Warranty
- B. Cleaning Instructions - Recommended Polytec® Shutter Citrus Cleaner. No ammonia based or abrasive products should be used or warranty will be voided.





SPECIFICATIONS

PART 2 PRODUCTS

2.1 Polytec® Frame

A. Description: Wall mounted Polytec® Shutter frame with powder-coated hinges.

B. Acceptable Manufacturer:

POLYTEC® SHUTTER

Tel 1.800.808.9018

Fax 1.562.808.8113

C. Substitutions: No substitutions will be considered. If your bid is accompanied by a proposal to supply an alternate product, it will be deemed "null and void", and will be returned for non-compliance with the original specifications. Our architectural and design personnel have designed and engineered this optimum product for this particular application.

D. Provide all Polytec® framing from a single source.

E. Polytec® Frame Material

1. Polytec® Framing System: Polytec® frame is a dense extruded polymer foam moulding. Polytec® is a synthetic non-toxic material. It is guaranteed not to crack, chip, or peel. It is water resistant and flame retardant.

2. Frame to be delivered in designated opening size.

F. Painted Finish: Polytec® coat paint is non-toxic, water based, and environmentally friendly.

G. Color Selection: To be from the standard selection of samples from Polytec®.

Custom colors available; contact Polytec Interior Shutter System 1-800-808-9018.

H. Construction

1. Polytec® frames outside mount.

2. Polytec® molding profile is 1 1/4 inch wide x 1 1/8 inch high.

3. Moulding length is cut to appropriate size for frame construction used in an outside mount

2.2 Polytec® Panel

A. Description: Polytec® panels are hinge mounted to the Polytec® frames.

B. Acceptable Manufacturer:

Contact: POLYTEC® INTERIOR SHUTTER SYSTEM

Tel 1.800.808.9018

Fax 1.562.808.8113





SPECIFICATIONS

C. Substitutions: No substitutions will be considered. If your bid is accompanied by a proposal to supply an alternate product, it will be deemed "null and void, and will be returned for non-compliance with the original specifications. Our architectural and design personnel have designed and engineered this optimum product for this particular application.

D. Provide all Polytec® panels from a single source.

E. Polytec® Panel Material: Polytec® panel is constructed from dense extruded polymer foam rails, stiles, louvers, and tilt rod. Polytec® is a synthetic non-toxic material. It is guaranteed not to crack, chip, or peel. It is water resistant and flame retardant. Panel to be delivered in designated panel size.

F. Painted Finish: Polytec® paint finish is non-toxic, water based, and environmentally friendly.

G. Color Selection: To be from the standard selection of samples from Polytec® Custom colors available upon request. Contact Commercial Division.

H. Construction

1. Polytec® Panel

- * Rail: The rail is to measure appropriately to height and louver dimensions. All rails have an aluminum reinforced middle core.
- * Stile: The stile is to measure 2 inch with a built in light leakage strip, mortised hinge cutout, and rabbeted edge.
- * Louver: Standard aluminum reinforced louvers vary from 2.5 inch, 3.5 inch and 4.5 inch widths.
- * Tilt Rod: The tilt rod is to measure appropriate to panel height.

2. Rail and Stile Joint: The rail and stiles are connected using 3 inch hex headed self tapping screws.

3. Louver Connection: Louvers are adjusted at the factory and will not require future maintenance.

4. Tilt Rod Connection: 5/8 inch stainless steel staples are pneumatically shot into every tilt rod securing the louver to the tilt rod. The tilt rod assembly will withstand 50 pounds of constant pressure and has a lifetime warranty.

5. Louver and Tilt Rod Connection: Louvers are connected to tilt rod using 3/4 inch stainless steel staples. Tilt Rod are connected to louvers using 5/8 inch stainless steel staples.

I. Color Selection: Color selection to be from the standard samples from Polytec®.

Custom colors available upon request.

Contact Commercial Division

1-800-808-9018





SPECIFICATIONS

PART 3 EXECUTION

3.1 Preparation

- A. Coordinate details with other work supporting, adjoining, or otherwise contacting items as required to ensure proper installation.
- B. Verify that surfaces and above ceiling supports/backing are installed by the general contractor and are ready to receive work.

3.2 Examination

- A. Examine construction to support, adjoin, or otherwise contact and verify that:
 - 1. Dimensions are correct.
 - 2. Walls are prepared and sizes are correct.
 - 3. Exposed finishes have been applied and setting conditions are dry, clean, and otherwise proper for installation.
- B. Do not install items until unsatisfactory conditions have been corrected

3.3 Installation Polytec®

- A. Install shutters in accordance with approved Polytec® recommendations and reviewed shop drawings.
- B. Typical Fastenings: Use machine screws or nails.
- C. Drill and tap mounting surfaces for mounting hardware as required.
- D. Install shutters in one piece as indicated by the architectural drawings.
- E. Moulding should be secured to the wall or ceiling as indicated.
- F. Furnish tag designating proper size.

3.4 Cleaning

- A. At completion of installation, remove any debris and clean surfaces in accordance with Polytec® clean-up and maintenance instructions.

