

StonePly™

Translucent Stone Panels.

SECTION 07420 - NATURAL STONE REINFORCED PANELS (EXTERIOR)
SECTION 09452 - NATURAL STONE REINFORCED PANELS (INTERIOR)

This section is based on the products of
StonePly

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Greenville, TX 75404
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Verify lead times on custom items.

PART 1 GENERAL

1.1 SECTION INCLUDES

- A. StonePly Translucent Panels

1.2 WORK INCLUDED

- A. Furnish all materials, labor, tools, equipment engineering, and services to install composite stone panels of natural stone bonded to Translucent backing.

1.3 RELATED SECTIONS

- A. Section 08630 - Metal-Framed Skylights.
- B. Section 07900 - Joint Sealers.
- C. Section 08800 - Glazing

1.4 REFERENCES

- A. ASTM Z 97.1 - American National Standard for Glazing Materials Used in Buildings -- Safety Performance Specifications and Methods of Test.
- B. G. ASTM F 1233 - Standard Test Method for Security Glazing Materials and Systems.

1.5 QUALITY ASSURANCE

- A. Manufacturer Qualifications: The stone panel manufacturer shall have at minimum a 3 year demonstrated capability to produce panels of the quality and scope required.
- B. Installer Qualifications: Regularly engaged and experienced in the installation of composite natural stone veneer panels.

1.6 SUBMITTALS

- A. Submit under provisions of Section 01300.
- B. Product Data: Manufacturer's data sheets on each product to be used, including:
 - 1. Physical properties including data on material weight, light transmission and thermal expansion.

2. Preparation instructions and recommendations
 3. Storage and handling requirements and recommendations.
 4. Installation methods and procedures, including edge engagement guidelines.
- C. Verification Samples: Submit samples for each finish product specified, two samples, minimum size 2 inches by 3inches, representing actual product.

1.7 DELIVERY, STORAGE, AND HANDLING

- A. Deliver StonePly Translucent panels on enclosed boxes and pallets.
- B. Store products in manufacturer's unopened packaging until ready for installation.
- C. Store in dry, well-ventilated and covered areas at temperatures below 90 degrees F.
- D. Handle sheets carefully to prevent damage; do not drop, slide, or drag.

1.8 PROJECT CONDITIONS

- A. Maintain environmental conditions (temperature, humidity, and ventilation) within limits recommended by manufacturer for optimum results. Do not install products under environmental conditions outside manufacturer's absolute limits.

1.9 WARRANTY

- A. Provide StonePly Translucent Panels manufacturer's written warranty covering breakage.

PART 2 PRODUCTS

2.1 MANUFACTURERS

- A. Provide products manufactured by StonePly Inc 4400 Oneal Street, Greenville, TX 75401
Tel (903) 454-0904 Fax (903) 454-3642 info@stoneply.com www.stoneply.com
- B. Substitutions are not allowed.

2.2 MATERIALS

- A. The stone shall match the sample:
 1. Stone Finish shall be: (select one) [polished] [honed] [to match the approved sample]
- B. StonePly Panels - General: Comply with properties as follows:
 1. Panel Thickness: _____.
 2. Backing Material: (Select One) [Glass] [Polycarbonate] [As indicated on drawings].
 3. Stone Selection: _____.
 4. Dimensional Tolerance: Plus or minus 1/8" (3.2mm) in all directions. Plus or minus 1/8" (3.2mm) diagonally.

2.3 ACCESSORIES

- A. Joint sealants (as specified in section 07920) shall be pre tested for compatibility with the natural stone panel facing selected.

PART 3 EXECUTION

3.1 EXAMINATION

- A. Inspect pallets upon delivery for evidence of damage.
- B. Inspect and verify that openings are correct size and conform to recommendations of the StonePly Translucent Stone Panel manufacturer.

3.2 PREPARATION

- A. Prepare surfaces using the methods recommended by the manufacturer for achieving the best result for the substrate under the project conditions.
- B. Immediately prior to installation, expose glazing edges of stone panel by peeling back factory-applied protective masking to a dimension sufficient for edge engagement.

3.3 INSTALLATION

- A. Install StonePly translucent in accordance with manufacturer's recommendations for edge engagement and expansion allowance.
- B. Employ only sealants and glazing accessories that have been approved by manufacturer of StonePly translucent panels.
- C. Remove protective masking immediately after all installation operations are completed.

3.4 PROTECTION

- A. Protect installed products until completion of project.
- B. Affix polyethylene film or other approved covering to framing members, as required to protect StonePly translucent stone panels from other construction operations.
- C. Repair or replace damaged products before Substantial Completion.
- D. Clean all dirt, marks, & sealant from stone panels using methods appropriate for the type of stone and per manufacturer's recommendation.

3.5 SCHEDULE

* This paragraph to be provided by the architect. *

END OF SECTION