

ARCHITECTURAL SPECIFICATION FOR LUMASITE® SHEET

PART 1 – GENERAL

- 1.1 Specification includes
 - A. LUMASite® sheets for glazing applications.
 - B. LUMASite® sheets and diffusers for lighting and architectural applications.
 - C. LUMASite® sheets and diffusers for sign and display applications.
- 1.2 Related sections
 - A. Submit sample(s) of type and thickness specified, not less than 6" x 8" in size.
 - B. Submit manufacturer's printed product information that includes physical properties.
 - C. Submit supporting documentation including material safety data sheet (MSDS) and guidelines for installation and maintenance.
 - D. Submit statement of warranty.
 - E. Submit documentation describing burning characteristics (if applicable).

PART 2 – PRODUCTS

- 2.1 Manufacturer
 - A. American Acrylic Corporation manufacturers LUMASite® sheets and diffusers.
 - B. Contact information – Address: 400 Sheffield Avenue
West Babylon, New York, 11704
Phone: 800-627-9025 or 631-422-2200
Fax: 631-422-2811
E-mail: lumasite@aol.com
- 2.2 Sheet Size
 - A. All varieties of LUMASite® sheets and diffusers are available in sheet sizes up to 48" x 120", including 48" x 96" and 48" x 72" sheets.
 - B. Larger sizes are available as noted.
- 2.3 Translucent, fiberglass-reinforced acrylic panel varieties for glazing, lighting, display and architectural applications, all SOS (satin one side, micro grain gloss one side)
 - A. Frost-SOS
 - silken cobweb (frosted) appearance
 - high light transmission
 - thicknesses: .045", .060", .090", .125", 3/16", 1/4"
 - larger sheet sizes available (up to 5' x 12')
 - available in a fire-retardant version (type FR)

- B. Parchment-SOS -translucent white, high light transmission
-gentle "rice paper" effect
-thicknesses: .060", .090", .125", 3/16", 1/4"
-available in fire-retardant version (type FR)
- C. Rice-SOS -translucent off-white, medium-high light transmission
-gentle "rice paper" effect
-thicknesses: .060", .090", .125", 3/16", 1/4"
- D. Linen-SOS -translucent frosted white, subtle weave effect
-thicknesses: .090", .125"
- E. White 1000-SOS -translucent white, opalescent
-thicknesses: .045", .060", .090", .125", 3/16", 1/4"
-larger sheet sizes available (up to 5' x 12')
-available in a fire-retardant version (type FR)
- F. Sky-SOS -pale translucent blue with frosted appearance
-thicknesses: .060", .090", .125", 3/16", 1/4"
- G. Jade-SOS -pale translucent green with frosted appearance
-thicknesses: .060", .090", .125", 3/16", 1/4"

2.4 Translucent, fiberglass-reinforced acrylic panel varieties with a subtle pastel tint and shoji effect, all SOS (satin one side, micrograin gloss one side):

- A. Whisper Copper-SOS
-golden peach mesh tint
-thicknesses: .125"
- B. Whisper River-SOS
-blue mesh tint
-thicknesses: .125"
- C. Whisper Eggplant-SOS
-purple mesh tint
-thicknesses: .125"
- D. Whisper Hunter-SOS
-green mesh tint
-thicknesses: .125"

2.5 Translucent, fiberglass-reinforced acrylic panel varieties for architectural, display, and sign applications, micrograin gloss both sides except where noted (SOS):

- A. White 1020 -translucent white for sign backgrounds and displays
-thicknesses: .090", .125", .150"
-larger sheet sizes available (up to 5' x 12')
- B. White 2020 -translucent white for displays and smaller sign backgrounds
-thicknesses: .045", .060"
- C. Ivory 02146-SOS -translucent creamy off-white (satin finish one side)
-thicknesses: .090", .125"

- D. Yellow 02037 -translucent bright yellow
 -thicknesses: .060", .090", .125"
 -larger sheet sizes available (up to 5' x 12')
 - E. Blue 02051 -translucent medium blue
 -thicknesses: .090", .125"
- 2.6 Opaque fiberglass-reinforced acrylic varieties:
- A. White 1040 -nearly opaque porcelain-white
 -thicknesses: .060", .090", .125", 1/4"
 - B. Black 02025 -opaque black
 -thicknesses: .090", .125"
 - C. Gull Gray -opaque light gray
 -thicknesses: .090", .125"
 - D. Brown 239-SOS -opaque dark (duranodic) brown (satin finish one
 side)
 -thicknesses: .090", .125"
 - E. Brown 240-SOS -opaque medium chocolate brown (satin finish one
 side)
 -thicknesses: .090", .125"
- 2.7 Translucent, near-clear acrylic modified FRP panel varieties for glazing and partition applications:
- A. Crystal II -micrograin gloss both sides
 -thicknesses: .060", .090", .125"
 - B. Crystal II-SOS -satin finish one side (micrograin gloss one side)
 -thicknesses: .060", .090", .125"
 - C. Crystal II-POS -pebble finish one side (micrograin gloss one side)
 -thicknesses: .060", .090", .125"

PART 3 – EXECUTION

- 3.1 Examination
- A. Shipment is ordinarily via common carrier on enclosed pallet(s).
 Inspect pallet(s) upon delivery for evidence of damage.
 - B. Inspect and verify sizes and quantities.
- 3.2 Preparation
- A. Protect surfaces from damage during fabrication and installation.
 Handle with care. Do not drop, slide or drag.
 - B. Cut panels to size for installation as necessary. Pre-drill holes for fasteners as necessary. Refer to manufacturer's guidelines for fabrication of LUMAsite® sheets. Always wear eye protection during fabrication and installation. Refer to MSDS for other important safety information.
- 3.3 Installation

- A. Install in accordance with manufacturer's recommendations.
- B. Employ fasteners, adhesives and sealants recommended by manufacturer.
- C. Remove protective masking promptly after installation is complete.

3.4 Maintenance

- A. Clean surfaces using non-abrasive soap or detergent and water, applied with a sponge or soft brush, then rinsed.

3.5 Protection

- A. Protect installed material from ongoing work.