

CORELITE™



Ritchie Bros. Auctioneers in Lincoln, Nebraska

MOISTURE RESISTANT PANELS

Mapes Corelite panels are manufactured utilizing a corrugated high-density polyethylene (HDPE) substrate for the most demanding glazing applications. Corelite is available in both 1/4" veneer and insulated compositions. It is an ideal solution for window replacement, curtain wall infill, veneers and fascias. Corelite panels are moisture resistant and designed for low impact infill and glazing projects.

APPLICATIONS

- Infill
- Spandrel
- Transoms
- Non Impact Glazing Areas
- Curtain Wall / Window Replacement
- High Moisture Environment

FEATURES

- Lightweight
- Field Fabrication
- Moisture Resistant
- High Thermal Value / R-Values Up to 27.0
- Available In All Architectural Finishes



CORELITE™

TECHNICAL DATA



CORELITE SPECIFICATIONS

Part 1: General

Mapes architectural panels as manufactured by Mapes Industries, Lincoln, Nebraska, are specified to establish a standard of quality and design required for this project. Other manufacturers will be considered acceptable provided the materials, finishes and warranties meet or exceed the quality and design standard specified herein. Physical samples of proposed panel construction and finish shall be available on request.

Part 2: Products

Corelite panels shall be constructed of laminated components consisting of an exterior metal skin, high-density corrugated polyethylene substrate, insulative core (optional) and an interior metal skin. Each component shall be selected from finish options as detailed in the latest Mapes catalog. Panels shall be designed to provide balanced construction with metal skins on both interior and exterior surfaces. The components shall be laminated in a controlled factory environment with a compatible, permanently elastic adhesive.

Part 3: Installation

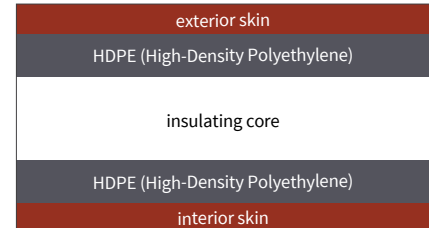
All panels shall be installed in extruded moldings or extruded aluminum framing. Panels shall be sealed against water penetration by means of permanently elastic caulking sealant. Weep holes for drainage are required. Avoid mechanical fasteners such as nails, screws or bolts which may obstruct/limit the normal thermal movement of the panel skin. Panels must be installed according to manufacturer's latest instructions to ensure proper service life.

- Corelite Warranty: 10-year Lamination Warranty; Finish Warranty as specified.
- Limitations: Maximum Sizes – 60" width x 120" length.
- Flatness Tolerance – .125"/12".
- Not recommended for high traffic areas.

CORE OPTIONS

- 2 lb. Density Polystyrene – High density polystyrene for additional rigidity and flatness.
- Polyisocyanurate – Improved insulation values.
- Mineral fiber board – Class A fire rated.

TYPICAL CROSS SECTION



FINISH SELECTION GUIDE

	Embossed	Smooth	Custom Color	Aluminum	Steel	Warranty (yrs)
Porcelain on Steel		X	X*		X	20
Kynar	X	X	X*	X	X	5 to 20
Polyester Baked Enamel	X	X	X*	X		5
Anodized	X*	X	X*	X		n/a
Primed Aluminum	X	X		X		n/a
Galvanized		X			X	n/a
Mill Finish	X	X		X		n/a

* Indicates premium charge; consult factory



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