



ROXITE® PREMIUM

Roxite® Premium is a cast acrylic with highest UV protection. Acrylic is a transparent thermoplastic with outstanding strength, stiffness and optical clarity.

Roxite® Premium is widely used for glazing pictures, art objects and exhibits.

Roxite® Premium offers high light transmittance with a refractive Index of 1.49 and can be easily heat-formed without loss of optical clarity. Prolonged exposure to moisture, or even total immersion in water, does not significantly effect the mechanical or optical properties of acrylic.

Roxite® Premium is UV stabilized for outstanding protection from fading and yellowing.

Roxite® Premium is only half the weight of silicate picture glass, but up to 11 times more break-resistant.

Roxite® Premium is unaffected by aqueous solutions of most laboratory chemicals, by detergents, cleaners, dilute inorganic acids, alkalis, and aliphatic hydrocarbons - however, acrylics are NOT recommended for use with chlorinated or aromatic hydrocarbons, esters or ketones.

Roxite® Premium is easily sawed, drilled, milled, engraved and finished with sharp carbide-tipped tools. Cut surfaces may be readily sanded and polished. They are also readily bend or thermoformed at low temperature and solvent bonding of properly fitting parts produces a strong, invisible joint.

Roxite® Premium is available in colorless clear as well as a wide variety of colors and tints.

KEY CHARACTERISTICS

- Optically clear
- Strong and stiff
- Easy to fabricate
- Easy to solvent bond
- UV resistant
- Protection from fading and yellowing
- Impact resistant grades available
- Scratch resistant coatings available
- Gauges 2-12 mm available from stock

APPLICATIONS

- Covers
- Glazing pictures
- Show cases
- Glazing for leisure vehicles and boats
- Architectural glazing
- Protective covers for models
- Museum boxes