Soda-Lime

Low Emissivity (Low-E) Glass

Description
Low Emissivity (Low-E) glass provides excellent performance in situations where temperature separation is desired. Low-E is used to help meet energy efficiency requirements by blocking UV light and providing heat insulation. This is done with a special thin-film metallic or oxide coating which prevents the passage of short-wave solar energy into a building and also prevents long-wave energy produced by heating systems and lighting from escaping outside.

Features
- Higher window U-value
- Increased insulation performance
- Energy savings
- Decreases color fade on interior furniture by blocking UV light

Applications
- Architecture
- Grocery store refrigerators
- Deli food windows

Physical Properties

- Visible Light Transmission 76%
- SHGC (Solar Heat Gain Coefficient) 0.71
- LSG (Laminated Safety Glass) 1.07
- U-Factor (Btu/hr/ft^2/°F)
  - Air 0.35
  - Argon 0.31
- Indoor glass temp (°F)
  - Winter 52
  - Summer 99
- UV Transmission 49%

Dimensions
- Thicknesses: 3.2 mm, 5.0mm
- Sizes: Up to 96” x 60” and Up to 130” x 72”