



John Dwyer, President

For New York's Glazing & Design Professionals

One General Motors Drive, Syracuse, NY 13206 * 315-437-9971 * 800-962-3211 * www.syracuseglass.com

#7- SAFETY GLAZING IN FEDERAL LAW AND THE NEW YORK BUILDING CODES

Safety Glazing requirements are contained in both Federal Law 16 CFR 1201 Safety Standard for Architectural Glazing Materials and the New York Building Codes covering commercial and residential buildings.

16 CFR 1201 prescribes requirements for glazing materials used in:

- storm doors or combination doors
- doors
- bathtub doors and enclosures
- shower doors and enclosures
- sliding glass doors (patio-type)

The Federal Law also establishes two "risk" categories for glazing material, and a test method for classifying glazing materials:

Category I intended to protect a child from injury on full body impact or adults on hand and arm impact.

Category II intended to protect adults from injury on full body impact.

Category I glazing products are Laminated Glass with a .015 interlayer and Pilkington Pyroshield Plus Laminated Wired Glass. Category I glazing is always limited to a maximum size of 9 square feet if used in the code defined hazardous locations subject to human impact.

Category II glazing products are Fully Tempered Glass, Laminated Glass with a .030 interlayer, Fire Rated Ceramics with Surface Applied Film, or Laminated Fire Rated Ceramics

The Building Code of NYS – 2007 lists and expands on the safety glazing locations in 16 CFR 1201 to eleven locations in section 2406.3 (doors, bath and shower enclosures, sidelites, fixed or operable panels, railings, swimming pools, stairways, etc.) and lists locations where Category I glazing materials can be used subject to a 9 square foot maximum size in table 2406.1.

The new code contains additional safety glazing language in section 2408.3 covering Gymnasiums and Basketball Courts. "Glazing in multipurpose gymnasiums, basketball courts and similar athletic facilities subject to human impact loads shall comply with Category II of CPSC 16 CFR 1201.."

The Residential Code of NYS – 2007 covers safety glazing requirements in section R308.