# FIRE RESISTANT GLASS

## TEMPERED FIRE RESISTANT GLASS DOOR SYSTEM

A complete system where tempered fire resistant glass with a chemical interlayer is integrated with a fire resistant metal door. During fire, the glass becomes opaque and limits the passage of flame and heat; door and frame joints maintain system integrity.

- »Glass is presented as an integrated system with the fire resistant door leaf.
- »High strength bonding is achieved between the glass and door construction with steel rivet assemblies used at door connection points.
- »Glass holder profiles and connection elements are in a struc ture compatible with the fire resistance certificate.
- »At glass frame and door junction points, high-temperature expanding intumescent seals and additional insulation seals providing smoke/air tightness are applied as a double-layer fire resistant sealing system.

**»Glass Technical Specifications:**

- »**Glass Type:** Tempered fire-resistant glass (with chemical interlayer)
- »**Fire Class:** Standard E90, EI30, EI60, EI90
- »**Glass Structure:** Tempered
- »**Glass Layer Thickness:** 12 / 16 / 24 / 27 mm
- »**Thickness Tolerance:** ±2 mm
- »**Impact Resistance:** High impact resistance

**»Dimensions:**

- »**Minimum Size:** 300 x 400 mm
- »**Maximum Size:** 800 x 1800 mm
- »**Size Tolerance:** ±2 mm

**»Physical Properties:**

- »**Weight:** 27,5 kg/m$^2$
- »**Light Transmittance:** %88
- »**UV Protection:** Yok
- »**Safety Class:** Class 1(B)1
- »**Sound Insulation:** 40 dB

**»Standards:**

- »TS EN 13501-2
- »TS EN 1364-1