



## FED-400



### **RC4 –Force Entry & Vandalizm Resistance Aluminum Single Leaf Door System**

Throughout history, buildings, which were constructed by various materials, have been the most preferable security feature of mankind and this concept has not been changed.

Even though contemporary architectural designs and newly developed technologies provide occupants superior solutions in terms of living spaces, glazed facade solutions are still the key components of modern day buildings which forms vulnerable points for intruders & vandals. Hence still specially designed and developed products are needed to be use for eliminating threats originated by by vandalism & intruders.

By reason of enhanced security concerns; PGT designed & developed FED-400, a single door system that not only fulfill modern day architectural needs, but also provide enhanced protection against intruders & vandalism for occupants.

**RC-4**

**RC-4 Class Rating**



**Tested according to EN 1627 & 1630**

#### **Application Areas**





## Features

### General Characteristics

- An aluminum framing & glass system with security class PB6
- Compliant to EN 1627 and EN 1630
- Superior infiltration (air & water) rates.
- Easy assembly & installation .
- Applicability to various architectural topologies.
- Able to allow large size applications.
- Superior aluminum framing design that allows larger exposed glazing areas.
- Suitable for interior and exterior applications.
- Compatible to use with FEW-400/ NS curtain wall system
- Various hardware options.
- Ability to use with sidelites and transom panels.

### Hardware

- Integrated or surface mounted panic bar options tested.
- Availability of panic or mortice lock alternatives with B,C,D,E panic functions .
- Aluminum surface mounted supporting hinges with powder coated or anodized finish options.
- Slide arm door closer or link arm door closer with door coordinator options.
- Automatic drop down seal included as standard.

### Framing

- All- aluminum system framing system with high quality, multi-sliced extruded profiles.

### Finishes

- All standard powder coating colors with qualicoat certification
- All standard anodized colors with qualanod certification
- Custom colors availability for project base under the conditions determined by the paint producers.

### Glass

- PB6 class force entry resistance laminated safety glass.
- Tested & certified according to EN 356
- Consist of clear float glass as standard unit.
- Availability of low iron option for better visual and optical quality.
- Ability to use with coated glasses as IGU units.

### Performance Test Standards

- All testes were performed according EN 1627 and EN 1630 to in accredited laboratories
- All opening hardware were tested according to EN 179 or EN 1125

## Technical Details

|                                    |                      |
|------------------------------------|----------------------|
| Force Entry resistance performance | RC-4                 |
| Air Permability                    | Class 4 (EN12207)    |
| Watertightness                     | Class 5A (EN 12208)  |
| Windload Resistance                | Classs C2 (EN 12210) |
| Glazing Range                      | up to 75 mm          |
| Frame Depth                        | 113 mm               |
| Maximum Weight of Door Leaf        | 600 kg               |
| Maximum Height of Door Leaf        | 2600 mm              |
| Maximum Width of Door Leaf         | 1250 mm              |
| Maximum Door Leaf Area             | 3 m <sup>2</sup>     |