

# Flex 6500 Series

## **FLEX 6500 SERIES FRAMES**

For the restoration of heritage buildings, Optimum offers the 6500 system of thermo-insulating profiles for windows and doors. Reduced frame size, large glazed areas, excellent values of thermal and acoustic insulation, elevated resistance, durability and light transmission are the main characteristics of the 6500 system. It is considered an interpretation, using modern technology and materials, of the classic metal window. All in just 46 mm of visible perimeter frame and 64 mm for the central pairing in the case of double windows. With the 6500 series it is possible to make windows in steel, stainless steel, Cor-Ten steel and bronze effect.

## **FEATURES**

- Thermal break for high insulating performance
- Integrated system complete with sections, fittings and gaskets/seals for designing and making the largest types of thermal break window and door frames
- Very slender visible section of just 46 mm for the side jamb and 62 mm for the meeting stile of double windows or doors
- Made in Galvanized, Stainless, or Cor-Ten Steel and Bronze
- Slender yet structural and solid sections make for increasingly more elegant and bright frames, curtain walls and façades
- Standard Optimum Window colors (refer to OWM color chart)
- Absolute certainty of duration and low maintenance costs
- Possibility of making regularly-shaped arches and to customer template
- Accommodates thin site line look for historical applications high performance in terms of energy saving and sound insulation

## **OPTIONS**

- RAL colors available as option
- Non metallic color matches are optional & available upon request
- Custom hardware
- Limited operation stops
- Steel brake metal and trim
- Screens

## **STANDARD WARRANTIES**

- 10 years on finish
- 1 year on operable parts

## **LISTINGS**

Frame tests performed in accordance with ASTM E283, ASTM E331 & ASTM E330.

### **GENERAL TEST RESULTS**

(Air) ASTM E283  
@ 6.24psf

.06 cfm / ft2  
.06 cfm / ft2  
.06 cfm / ft2

(Water) ASTM E331  
@5.0gph / ft2

WTP @ 6.24 psf  
no  
leakage

Uniform Load  
ASTM E330

120psf  
interior  
exterior

**This information is intended for general reference only. For current listing details, please call Optimum Window Mfg. Corp.**

**\*Note: Test specimen size**