

## WSL SR60 Series Curtain Walling

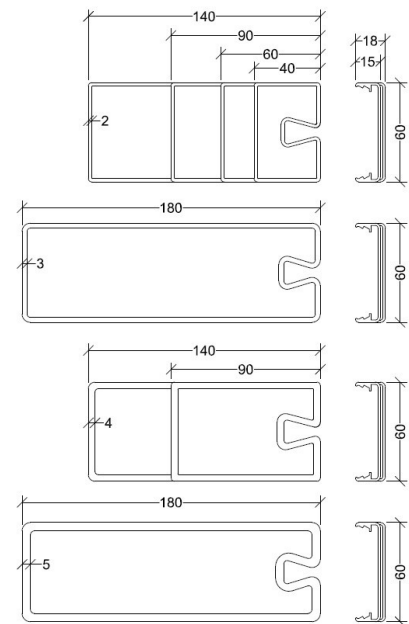
The Wrightstyle SR Series Curtain Wall & Roof Glazing System, is a unique alliance between the aesthetic qualities of normal aluminium systems, and the inherent strength and durability of steel thus providing the architect and designer greater flexibility in glass dimensions and façade design. The system is installed in stick format; is thermally broken, gasket glazed, self-draining and pressure equalised, with the ability to span large expanses without the need for a secondary support assembly.

The Wrightstyle Fire Rated SR Curtain Walling & Roof Glazing System, offers the same benefits as the standard SR system, but with the additional ability to achieve 120 minutes integrity, or 120 minutes integrity and insulation passive fire protection. The Fire Rated SR system utilises the same cold rolled, pre-galvanised steel profiles from the 60mm wide SR system. These profiles are used in conjunction with specially produced fire or non-fire resistant gaskets with profiled stainless or galvanised steel pressure plate, to ensure edge pressure is maintained throughout any fire exposure. Because of the simple substitution of pressure plates and gaskets, any of the standard aluminium or stainless steel capping options can be used to finish the façade, or to match in with adjacent non-steel/non-fire rated systems.



### OVERVIEW

- ◇ UNLIMITED FRAMING CONFIGURATIONS
- ◇ HIGH QUALITY PRE-SENDZIMIR GALVANIZING TO EN STANDARD
- ◇ E & EI PERFORMANCE UP TO 120MIN
- ◇ MULTIPLE COATING OPTIONS
- ◇ CAPABLE OF LARGE SPANS
- ◇ BALLISTIC PERFORMANCE
- ◇ OPTIONS TO INTERGRATE E AND EI DOORSETS INTO SCREENS



### SYSTEM SCOPE

- ◇ Maximum Glazing Capacity 90mm
- ◇ Framing Depth: 40, 60, 90, 140 & 180mm
- ◇ 60mm Width Profile
- ◇ Profile Wall Thickness Range 2-5mm
- ◇ Internal & External Applications
- ◇ 15 or 18mm Capping Options
- ◇ Optional Door Integration

## System Performance & Specification

### Profile Material

**Mild steel** according to DIN EN 10021—Cold rolled S280 Grade (Manufacture tolerance in accordance with DIN ISO 2768)

**Stainless Steel** according to DIN EN 10088-2—Equivalent to 304 & 316L Grade (Optional mill finish or 220 Brush grain finish)

**Aluminium** according to DIN EN 573-3—6063-T6 grade

### Galvanized Finish (Mild Steel Only)








Sendzimir galvanising of interior & exterior of profile to approx. 275g/m<sup>2</sup> according to EN10162—Approx. thickness 20µm

### System Screws

Zinc coated 1.4301 stainless steel according to Din EN17440—Equivalent to 304 grade

### System Gaskets

Non cellular elastomer compound according to DIN EN7863—Equivalent to BS3734

|   | Standard                               | Class / Value<br>(Vertical Façade)  | Class / Value<br>(Roof Light—2 Degrees Pitch)                                   |
|---|--|---|---|
|  | Watertightness<br>EN12154/ENV13050     | Static - RE 1650Pa<br>Dynamic - 750Pa   | Static - 1350 Pa  |
|  | Resistance To Windload                 | Permitted Load - 2.0kN/m <sup>2</sup><br>Increased Load - 3.0 kN/m <sup>2</sup> | Permitted Load - 2.0kN/m <sup>2</sup><br>Increased Load - 3.0 kN/m <sup>2</sup> |
|  | Resistance To Impact<br>EN14019        | I5 / E5<br>(950mm Drop Height)  | Increased Requirements<br>Weight - 50kg / Height - 2.4m                         |
|  | Air Permeability<br>EN12152            | AE<br>(>600Pa)  | AE<br>(>600Pa)  |
|  | Airborne Sound Insulation              | Up To 48dB Reduction<br>(Depending On Glass)                                    | NPD   |
|  | Durability<br>EN13830                  | In Accordance For<br>External Facades   | In Accordance For<br>External Facades   |
|  | Fire Resistance<br>BS 476: Pt 22: 1987 | Un-insulated - E30 - E120<br>Insulated - EI30 - EI120                           | Un-insulated - E30 - E90<br>Insulated - EI30 - EI90                             |