

# Architectural Specifications

## Crealco Resistance Window

### General

The Crealco Resistance window system shall be as supplied by Wispeco Aluminium and manufactured in accordance with the relevant Crealco manuals.

### Materials

Materials shall be of 6063 T6 aluminium alloy and temper. The profiles to be designed so as to meet the required structural integrity for the relevant wind load as per NBR.

### Features

The Resistance Window is beaded from the outside. Top Hung and Side hung options are available with single or multi locking point sash.

### Construction

Outer frame to be constructed of profiles with sight lines of 28.5mm. The mullions and transoms are constructed of tubular profiles with a sight line of 30 mm. Outer frame and sash profiles are crimped together with corner cleats. All mechanical joints to be silicone sealed. Relevant drainage holes to be inserted as per the manual. Approved Crealco gaskets and hardware to be used for optimal performance.

Sash limitations are as follows:

Standard Top Hung Sash: 1 300mm x 1 300mm / Multi Lock Top Hung Sash: 1 600mm x 1 300mm  
Standard Side Hung Sash: 650mm x 1 600mm / Multi Lock Side Hung Sash: 700mm x 1 700mm

### Hardware

Outer frame and sash profiles to have corner cleats as well as the relevant glass setting blocks. All beads to use the Crealco orange Butterfly gasket. Use of the approved Crealco colour coded wedge gaskets for optimal performance is recommended. The Crealco friction stays and handles are to be fitted in accordance with the Wispeco specifications as per the sash sizes.

### Finish

Wispeco has a comprehensive range of colours including natural anodizing. All powder coating is according to standards as set out by SANS 1796:2010. Wispeco is also Ferro & Akzo Nobel approved applicators of powder coated finishes. Any powder guarantees required, need to be requested before the profiles are powder coated.

### Glazing

Glazing to be carried out in strict accordance with SANS 10400-N:2012, with particular attention given to glass thickness and limitations. All glazing to have the relevant glass setting blocks & Crealco approved gaskets. The glass thickness ranges from 4mm to 20mm.

### Maintenance

To preserve & correctly maintain the longevity of any of the Crealco products, please see the Crealco website for the Wispeco Installation, Cleaning and Maintenance Procedures for Crealco Products.

### Performance

The system shall meet or exceed the requirements of SANS 613. For compliance assurances, an FPD (Fenestration Performance Declaration) can be requested from the fabricator.