

Use of this brochure should be restricted to building industry professionals and with the acknowledgement that details contained within are subject to change without notice. It is important that you seek advice and confirmation from your Hi-Light representative regarding availability and use.

If you are not a building industry professional, it is **very** important that you contact Hi-Light or engage professional advice **before using this brochure**.

The Hi-Light range of screens has been designed for use on projects of all sizes, from the smallest residential to the largest commercial buildings. In almost all designs, Hi-Light's involvement includes layout and workshop drawings for your architectural and/or dimensional approval prior to manufacture.

Screen Selection

Before specifying Hi-Light screens you need to know:

- Project location and the terrain category.
- Height of the proposed screen from ground level in metres.
- Purpose of the screen e.g.: non-trafficable, horizontal sunshade.
- Position of screen on building e.g.: face mounted, away from building edges.

Using the above information refer to page 18 for a load factor measured in kPa.

Select a screen type using the span charts and calculations on pages 16 & 17

or... let Hi-Light technical and sales departments make recommendations

or... use our Automatic Calculating Program at www.hi-light.com

The following notes are provided for guidance in specifying Hi-Light screens. At all times feel free to contact Hi-Light for specific wording for your project.

Short Form Specification

Aluminium screens as specified on the drawings are to be Hi-Light architectural screens Type (*insert profile type e.g. SS 203/60*). Supply in (*anodised, powder coated or PVDF*) finish with the specified colour and warranty system. All tolerances, materials, fasteners, methods of swaged construction and attachment to be to the manufacturer's specifications.

Where multiple panel widths are required, extend cross bars to give a continuous panel appearance.

Long Form Specification. (This sample specification uses screen type SC323/60).

The screen shall be manufactured in panels consisting of alternate aluminium louvre extrusion and aluminium flat bars. Louvre bars and flat bars shall be set at 30mm centres and swaged together at 100mm centres with 8mm square aluminium cross bars (Alloy 6063 - Swaged to Temper T5).

The louvre extrusion (Alloy 6063 - T6) shall consist of 2 legs with an included angle of 135°, the short leg being 32mm x 3mm holed for swaging and the long leg being 60mm x 2mm complete with 3 equally spaced longitudinal ribs 1mm high and 1mm wide provided on the inside face. The flat bars shall be 32mm x 3mm in section (Alloy 6063 - T6).

Supply in (*anodised, powder coated or PVDF*) finish with the specified colour and warranty system.

All tolerances, materials, fasteners, methods of swaged construction and attachment to be to the manufacturer's specifications.

Where multiple panel widths are required, extend cross bars to give a continuous panel appearance.

Performance Specification

(A) The drawings depict the design intent of the solar shade devices only. It is the responsibility of the sunshade contractor (*or specify other trade or profession*) to ensure that the sunshade system will provide (*insert required performance e.g. complete year round shade to the east, north and west façades between the hours of 9am and 5pm*). Verification by means of an Ecotect solar study (*or approved equal*) will be required prior to the installation.

(B) Verification of the structural integrity of the sunscreen support system is the responsibility of the sunscreen contractor (*or specify other trade or profession*). A structural adequacy certificate will be required prior to the installation.

Maintenance Specification

Upkeep of the surface finishes is to be in accordance with the coating manufacturers' recommendations. Reference may also be made to the Hi-Light 'Voluntary Maintenance Data Sheets'.

Hi-Light recommend that a complete structural inspection of the screening system be performed at least every 5 years.

The use of this brochure or the information it contains other than in the direct interests of Hi-Light Industries Pty Ltd is expressly prohibited.