

## CSR Ceilector™ Ceiling Solutions

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### **INSTALLATION AND MAINTENANCE GUIDE FOR FRICKER ALUMINIUM GRID COMPONENTS**

Ceilector™ Ceiling Solutions manufactures a variety of Aluminium Ceiling Grid systems, including the Fricker Easy Access system, Two Way and One Way Exposed systems. These can be viewed on our web site at [www.ceilector.com.au](http://www.ceilector.com.au). Exposed sections are produced from extruded aluminium pre-treated for adhesion prior to powder coating with a durable white polyester powder coat finish.

#### **ASSEMBLY PROCEDURE**

Detailed assembly procedures, including exploded drawings, are available on request and should be viewed in conjunction with these instructions. Technical assistance is also available on request.

Main runners are to be suspended at 1200mm centres, within 75mm of joins, using a 5mm soft galvanised rod with an approved suspension clip fixed to the top arrowhead. Rods are to be fixed to the concrete slab by loxins as approved by the consulting engineer. Hangers are to be staggered to allow the easy removal of the ceiling tiles at a later date.

Hangers, main runners and cross runners are to be spaced so as not to exceed the design load of 10.7kg/m<sup>2</sup>, or as required to prevent deflection in excess of 1/360. Light fittings are to be supported on the web of the main runner and extra hangers are to be provided if required to prevent excessive deflection.

Main runners are to be installed straight and level as per AS/NZ 2785-2000 and all in the same direction as identified by the triangular arrow punching. Provide bracing where necessary to prevent lateral movement.

Main runners are joined end to end by main runner joiner clips. These are to be installed in one line (not staggered) and can be fitted by inserting the top under the arrowhead, halfway down the main runner using an inwards rolling motion. The two locating lugs on the main runner joiner clips should be bent parallel with the web of the main runner to lock the joiner clip into both main runners.

Main runners are fixed in place by cross runners in a Two Way System, and with blind strut splines in a One Way System. Both have a male end and a female end and are to be installed square to the main runner. They are assembled by inserting the male end through the slot provided in the main runner and then hooking the female end over to provide a continuous line of cross runners. The small tab on the tip of the male end should be turned over with the aid of a screwdriver (or rod) into the slot on the female so as to positively lock both cross runners into position.



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## NOTES

With the Fricker Easy Access System the male end can only fit correctly on one side of the main runner due to the punching in the web being off centre to the face punching.

With the 600 x 600 Two Way Exposed systems the 600mm cross runners are offset.

Where exposed members of the ceiling grid come into contact with the perimeter trim or A/C linear slots, these members must be screw fixed or pop riveted into position.

The Shadowline Wall Angle shall be securely fastened to the wall at 600mm centres providing a true level edge. It has two location lips, one on the top of the lower horizontal leg and one on the lower vertical leg.

Exposed members can be locked into the wall angle using a double width saw cut. This also allows the ceiling tiles to lie flat.

## SAFETY AND MAINTENANCE

We recommend protective gloves be worn when handling metal products (AS 2161) and that hands are washed pre and post contact. Goggles (AS/NZ 1336) should be worn when cutting metal sections.

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It is the responsibility of the contractor to ensure that his employees are trained in OHAS procedures as these can vary from site to site.

No guarantee will be given when mixing products from different manufacturers.

Marks can be removed using a soft damp cloth with a mild liquid detergent. Stubborn marks may be removed using a soft cream cleanser with soft damp cloth; however, excessive rubbing should be avoided to prevent scratching or permanent marking of the powder coat surface

