


Kwikloc aquatic ceiling systems

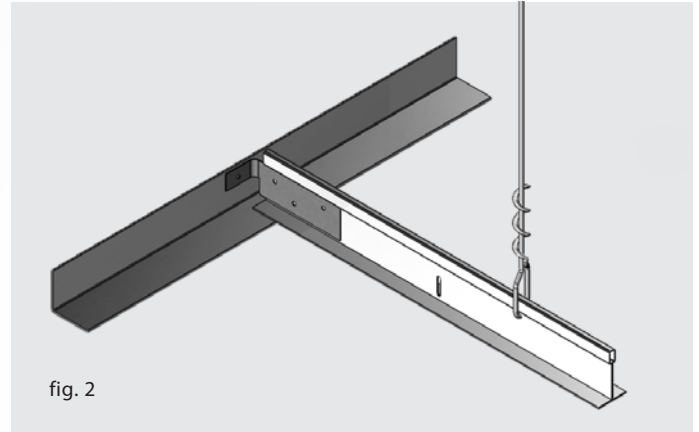
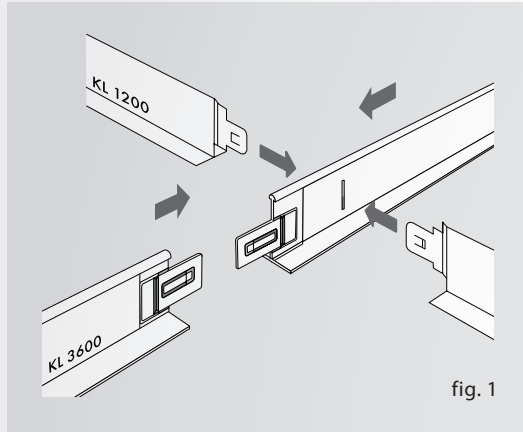


Kwiklock Aquatic is specifically designed and manufactured to withstand harsh corrosive environments, whilst maintaining its stunning design features & high quality throughout the duration of its lifetime.

The system can provide state of the art architectural designs, as well as highly durable strength. Kwiklock Aquatic's use of aluminium material coupled with its unique structural design elements, allows spanning of large areas with minimal bracing requirements.

Flat and even nesting of the tiles ensures a clean look throughout and hygienic sealing of the ceiling, without risk of contamination of the space below.

Product Overview



Aluminium Ceiling Grid, hosting unique features and exceptional advantages.

Engineered 'Kwik' Locking

The engineered locking systems provide positive joining of main Tees and Cross Tees, with installer ease, without the need of any additional operations eg. pop riveting, twisting etc. fig. 1 resulting in a smooth flat joint and thus eliminating the ghosting effect between the ceiling tile and grid.

Premium Non-Corrosive Finish

All aluminium sections are powdercoated white on an automatic line resulting in a consistent non-corrosive finish, particularly suited to buildings where quality and longevity is a priority. Other finishes are available with a small surcharge.

Increased Flexibility

The main Tee has been pre-punched at 300mm centres allowing for various ceiling designs, and the 1200mm Cross Tee comes centre punched (standard) for increased flexibility and efficiency of installation.

Installer Ease and Cost Saving

The bulb at the top of the Tee sections gives the installer flexibility where the suspension clip (CL315) fig. 2 is placed as it clips over the bulb anywhere along the length (1200mm max centres). This enables the installer to keep the suspension rods vertical in every situation. Also with this clip an option of using either 5mm or 2.5mm wire is possible, giving further potential cost savings.

Reduced Project Management

Installation time is significantly less than other aluminium systems, due to the snap fit locking system. This allows for condensing of schedules and significantly reducing administration and labour costs.

Versatile Wall Trim

Connection of Tees to Wall Angles is simplified with the unique reversible Wall Angles for either lipped installation where the Tee sections are notched, or alternatively using the KL100 bracket fig. 3 which locks into the Wall Angle and is riveted to the Tee section.

Exceeds Standard Requirements

Suspension points exceed the requirements of AS/NZS 2785.

Precision manufacturing procedures also maintain uncompromising accuracy to ensure straight grid lines.



fig. 3

Australian Standard® AS/NZS 2785

Suspended ceilings - Design and Installation

Bulkhead Construction Ease

The Kwikloc System incorporates an aluminium Bulkhead section which facilitates the use of the KL100 bracket, thus increasing rigidity and providing ease of installation.

Seismic Requirements

The Kwikloc aluminium ceiling grid systems have the structural capacity to meet the loading requirements of both AS 1170.4 and NZS 4203 with respect to the horizontal earthquake forces as required by both Australian & New Zealand standards. Specific design requirement standards for the Kwikloc System are available for the various areas and activity levels throughout Australia and New Zealand.



Project Profile

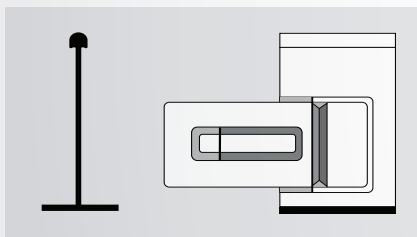
Studform is currently supplying the new 888 Collins Street State of the Art indoor pool, with Kwikloc Aquatic ceiling system.

This design required Studform to work with the architect and builder on the project, to come up with a non-corrosive ceiling system that would prove durable in pool environments, whilst also creating a distinctive feature ceiling design.

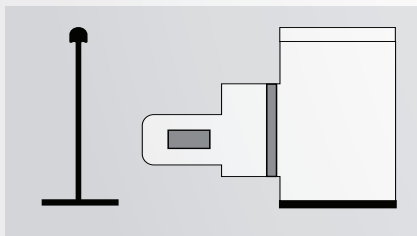
Studform's solution was Kwikloc Aquatic Black Anodised grid, which was coupled with matt & gloss finish black ceiling tiles to successfully replicate the Architect's unique design.

Product Profile

Kwikloc Premium 15mm

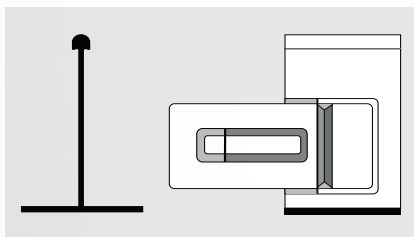


KL 3600P Main Tee

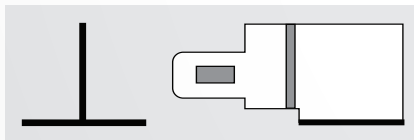


KL 600P/KL 1200P Cross Tee

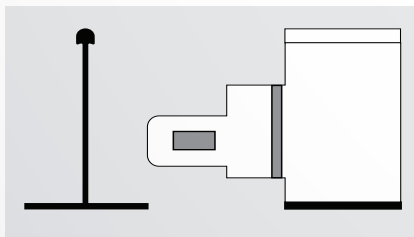
Kwikloc Regal 24mm



KL 3600 Main Tee

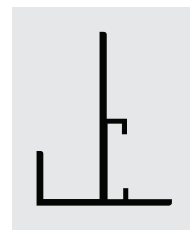


KL 600 Cross Tee

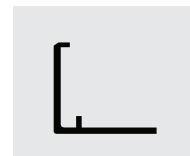


KL 1200 Cross Tee

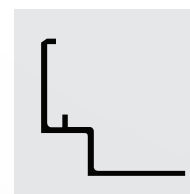
Wall Angles and Brackets



KL BH 4000 Bulkhead section



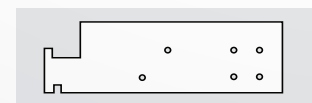
AST 3600 Reversible
standard wall angle



ASL 3600 Reversible shadowline wall angle



VF2 Suspension Rod Bracket



KL100 Kwikloc Bracket

Kwikloc aquatic architectural specifications

AQUATIC CENTRE / CORROSIVE ENVIRONMENT INSTALLATIONS

General

Provide a Kwikloc aluminium exposed grid system as manufactured by Studform.

Material

The exposed aluminium grid shall be Kwikloc (specify either Premium 15mm, or Regal 24mm) powdercoated (satin white) as manufactured by Studform. The Kwikloc grid shall consist of high grade aluminium powdercoated (specify satin white or other). All materials shall meet the requirements of AS2785 - Suspended Ceilings Design and Installation.

Installation

The main tee (KL3600 or KL3600P) shall be spaced at 600mm or 1200mm centres supported from the structure by a 4mm aluminium wire at 1200mm max. centres and no more than 600mm from the perimeter trim and no more than 150mm from any main tee join.

The cross tees shall be positively locked together through the main tee slots (at 300mm) to form the required module. All 1200mm cross tees shall be centre punched at 600mm to facilitate light fittings and/or mechanical services and any alterations thereof.

In General

Hangers, main tees and spacer tees shall be spaced so as not to exceed the designed ceiling load or as may otherwise be required to prevent deflection in excess of 1/360 of the span of the main tee or spacer. Extra hangers are to be provided for light fittings, mechanical services etc, that are supported by the grid system. Down bracing shall be incorporated in external installations and areas adjacent to openings prone to uplift caused by external wind forces. Hold down clips shall be used in braced areas or as required.

Grid Module

The grid module shall be (600 x 600) (1200 x 600) (1200 x 300) or other...

Perimeter Detail

Perimeter trim shall be Kwikloc (ASL3600 - Shadowline or AST3600 - Standard) reversible wall angle securely fixed. Main tees and spacers shall be notched onto the lip of the wall angle to ensure the grid and perimeter trim provide a flat even plane for lay in panels.

Hanger Installation

All suspension points of the grid system shall consist of 4mm aluminium wire, securely twitched to main tees at no greater than 1200mm centres and suspended from the roof structure with a VFA3 Aluminium purlin bracket assembly as supplied by Studform Pty.

Studform brochures also available:

- Kwikloc Seismic ceiling systems
- Kwikloc Aquatic ceiling systems
- Kwikloc Health ceiling systems
- Kwiklux LED Grid Lighting systems
- Kwiktile Acoustic Timber ceiling tiles
- Premium ceiling tiles
- Korporate aluminium partition suite
- Satellite commercial doors
- Satellite residential doors
- Acoulite high performance acoustic doors



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