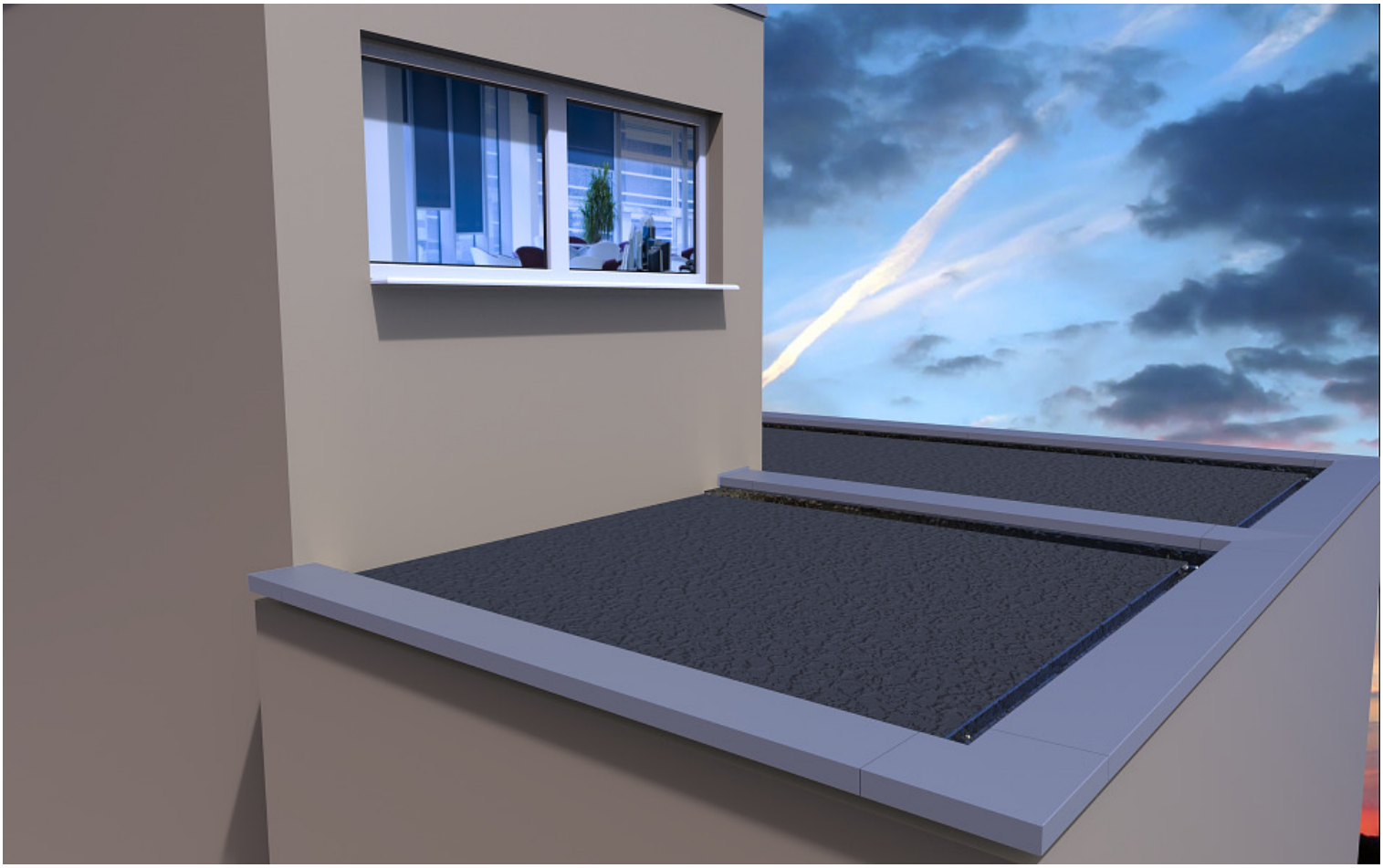
ALUMINIUM COPING SYSTEM
PRODUCT DATA SHEET



THE PROBLEM

Advancements in materials and technology mean that flat roofs have had a revival in recent years. Proven systems for flat roofs are now installed with such confidence, that iconic buildings including The Shard have flat roof sections. Many flat roof systems offer insurance backed guarantees, ensuring peace of mind.

It is popular on flat roofs for the exterior wall to extend above the roof, this is called a parapet wall. Parapet walls have many advantages, and can allow for a roof space to be used as a roof terrace or balcony.

The problem with parapet walls is that water can pass through the top of a parapet, and into the cavity. The resulting water ingress through the cavity, causes damp on the internal walls. Coping stones that sit on top of parapet walls, have mortar to fill the gaps. Mortar can crack overtime leaving gaps for water to ingress, creating damp on internal walls.

THE SOLUTION

Our Clarke Delta Aluminium Coping System is an engineered designed solution to protect the integrity of flat roofs. All components are manufactured offsite, preventing the need for site creation. An engineered bracket is simply fixed to the top of the parapet wall, with profile lengths and accessories simply clipping into place over the bracket.

The joints between lengths and accessories do not require a further gap filling process. The creative design of the bracket system diverts water away from the cavity.

Site consultations can also be completed to ensure customers receive the best possible solution for their requirements.

Products are offered in a range of sizes, materials, colours, and finishes to give our customers the best possible solution to their requirement.

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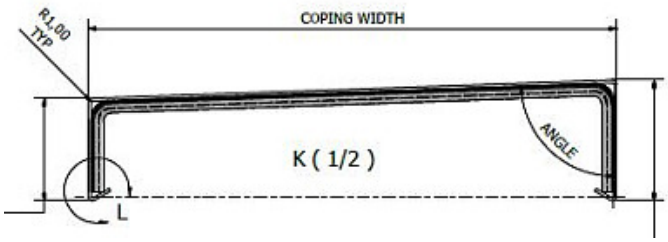
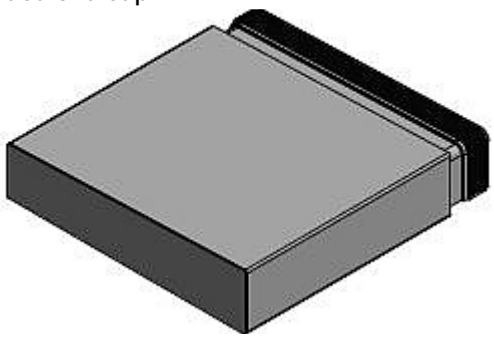
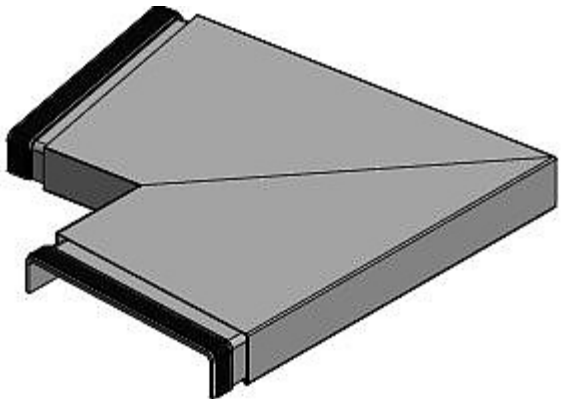
PROFILE LENGTHS: Are available in standard 2.5m, and 3m lengths. Widths, angles, and leg lengths are bespoke.



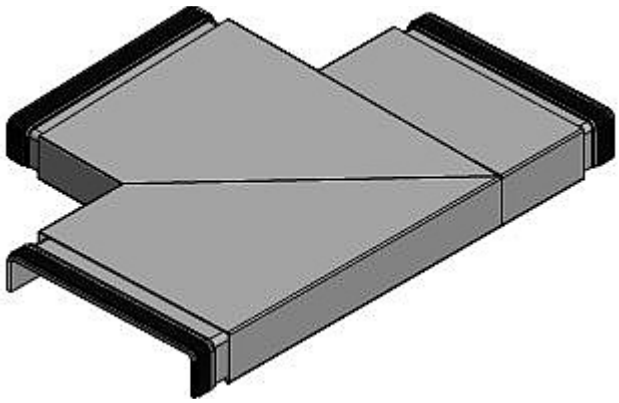
STOP ENDS: Consist of a 300mm profile length with a fully welded end cap.



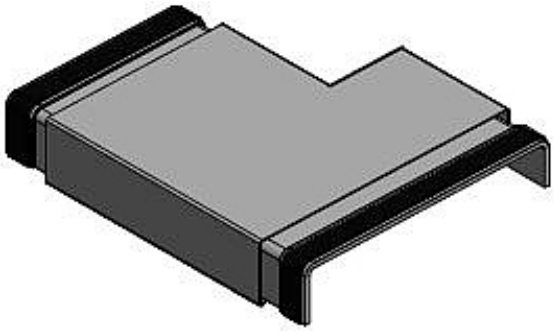
CORNERS: are angled to suit, fully welded to ensure a robust and fully sealed 1-piece section.



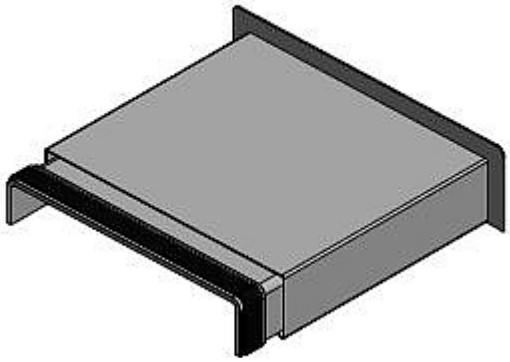
T-SECTIONS: are fully welded to ensure a robust, and fully sealed 1-piece section.



REDUCERS: allow the transition from one wall width to another. Are standard 300mm lengths.



ABUTMENTS: provide an up-stand that can be flashed over, where a parapet meets an adjoining wall.



COPING BRACKETS: Secure lengths and accessories in place, separate fixings and channels for rainwater to run-off. Rubber strips prevent rattle from metal on metal.

RADIUS PROFILES: the top part of the coping is punched out to match the radius shape. Both coping legs require welding along the full length of the profile. In order to match the radius profile of the roof with the coping, it is critical to ensure correct dimensions are given.

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MATERIAL
1050A H14 Grade Aluminium Sheet

Aluminium alloy 1050 is a popular grade of aluminium for general sheet metal work where moderate strength is required.

Alloy 1050 is known for its excellent corrosion resistance, high ductility and highly reflective finish.

Standard Thickness: 2mm for coping girths equal to or less 700mm / 3mm for coping girths greater than 700mm.

DESIGN STYLES
1) **STANDARD** - The top of the coping runs flat.

2) **WEATHERED** - The top of the coping slopes.

3) **RIDGED** - The top of the coping comes to a point, sloping downwards either side.

MANUFACTURE
All of our components are inspected to strict quality control measures. Components are manufactured by our network of ISO 9001 certified manufacturers.

SIZES
The standard overall width of the our coping system is the wall width + 50mm, allowing for the drip detail and wall clearance.

Leg lengths are required to fully encapsulate the top of the parapet wall. When profiles are weathered it is important to ensure the legs extend passed the wall.

Profile lengths come in 2.5m, and 3m lengths.

FINISH
We offer polyester powder coating (PPC), as our preferred finishing method due to the quality of finish, full range of RAL colours and finishes available, scratch resistance, and a key factor being the environmental advantages.

COLOUR
We offer a full spectrum of RAL colours, and gloss levels to suit each individual requirement.

ENVIRONMENTAL
Aluminium is 100% recyclable with over 70% of the aluminium ever produced worldwide still in use today.

SERVICES
Site consultations can also be completed to ensure customers receive the best possible solution for their requirements.

Projects can be supported with the following actions:

1) If drawings are provided a **take-off** of materials can be completed to give you an accurate quotation.

2) If a **site survey** is conducted we can provide an exact take-off for your project.

3) **Technical advice** can be given in order to support your project.

COASTAL & INDUSTRIAL ENVIRONMENTS
It is vital to ensure the correct specification of material when your project is within 5km of coastal waters or subjected to harsh industrial environments.

We recommend in coastal and industrial environments the use a high durability powder coating, with a minimal coverage of 60 microns on average. In extreme environments we recommend anodising with the use of Novelis J57s aluminium sheets.

Cut's in profile lengths or accessories should be kept to a minimum as cut edges remove the pre-treatment process. It is recommended that all cut edges are immediately covered.

WARRANTY
In order to achieve a warranty on polyester powder coated aluminium we recommend to use of Syntha Pulvin, where a joint warranty is offered between applicator and powder supplier.

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