

SKYLINE ALUMINIUM STANDARD COPING INSTALLATION GUIDANCE

Skyline Copings provide an economical and easily installed capping to upstanding parapets, in conjunction with flat or pitched roofs. The strap fixing method avoids penetration of the capping, whilst allowing ventilation over the top of the wall. Available in standard and bespoke designs, and in a wide range of colours, Skyline Copings are maintenance free and are equally suited to retrofit and new build projects.



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technical advice

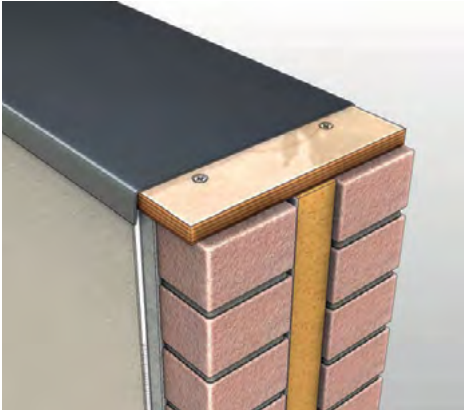


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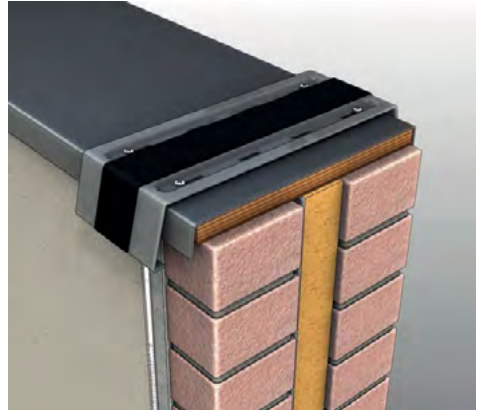


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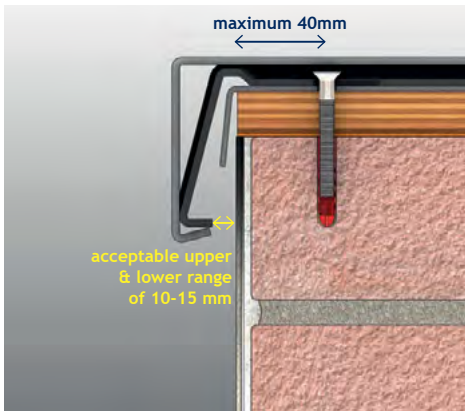
Skyline wall copings are pressed formed rectangular profiles with acute angled front and rear folded edges which clip over fixing straps and are secured to the top of a wall section. Coping lengths are butt jointed over the fixing straps and compresses an EPDM seal for weathered protection and decorative finish.



1. Ensure minimum 18mm marine ply and weatherproof membrane is fitted to the structure before commencing with the installation (all supplied by others).



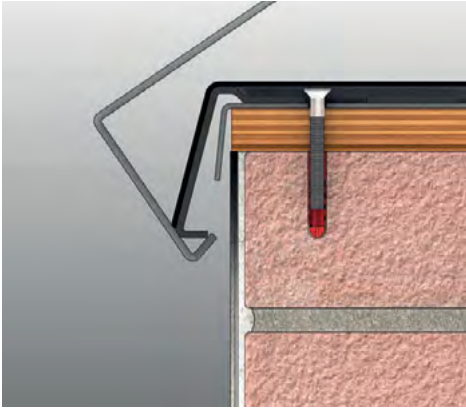
2. Position bracket with EPDM seal centrally over the wall. Maintain a minimum 10mm gap from the bracket inside return edge to the external wall surface finish. Illustration shows a render finish option which may be applied after installation of coping.



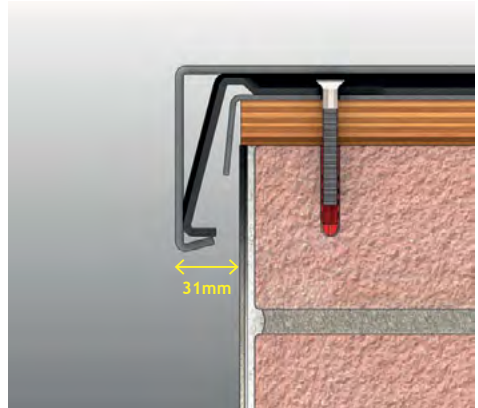
3. Secure brackets with minimum size No.12 x 50mm sized screws using the outer slots in the fixing straps at 1.5m maximum centres or as recommended based on wind uplift calculations or coping size. Additional screw fixings will be required on wider fixing straps. Maximum 40mm from fixing screw centre to external wall finishing surface.



4. Always secure additional half brackets for corners and piers with the first fixing point with a maximum of 40mm from the external wall finish.



5. Locate the corner, and clip the coping edge angle under the bracket from the front whilst slowly pressing the coping section into place to compress the EPDM seal on the brackets. This also applies to a pier and stopends.



6. Ensure 31mm dimension is maintained from external wall surface finish to external face of coping. On deeper edged coping that exceeds the normal 75mm leg, it may be necessary to use a small self tapper on the coping return to secure it fully.



7. Starting at a corner working to your next junction, the last section of coping can be cut down on site to accommodate any variant dimensions between corner, pier and stop ends. Use touch up paint on cut edges. Contractor to use correct metal work tools, such as a circular saw.



8. Maintain 3-4mm expansion gap at all joints.

COPING



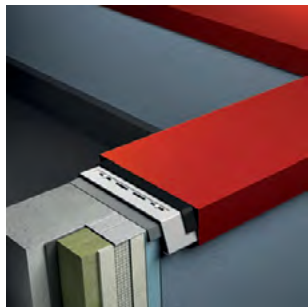
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Applications

- Provides a totally weatherproof covering to upstand parapets as fixing method does not penetrate the Skyline Coping
- Suitable for new buildings and retrofit applications

Performance

- Attractive, clean lines are maintained as fixings are not visible on the surface of the Skyline Coping
- The fixing strap profile allows ventilation over the top of the wall whilst remaining weatherproof
- Material thickness and fixing mechanism gives excellent rigidity
- Lightweight, durable, non-corrodible and non combustible
- Aluminum sheet with powder coating: Class 1 - BS476: Part 7. Polyester Powder Coating: A2L - S1, d0 - EN 13501-1
- Coefficient of linear thermal expansion is $23 \times 10^{-6} \text{mm/m/}^\circ\text{C}$
- A gap of 3-4mm should be left between Skyline Coping sections to accommodate thermal expansion
- Life expectancy of aluminium: 40 years (rural/suburban areas); up to 25 years (industrial/marine areas)
- Aluminium is 100% recyclable



Components and Manufacture

- UK manufactured
- Skyline Copings are fabricated from 2mm or 3mm thick aluminium alloy sheet, depending on width
- Fixing straps are pressed 3mm aluminium with extruded EPDM seals bonded to the top surface
- All fabricated fittings (90° corners, irregular corners, stop ends, closed ends, upstands, 90° tee junctions) are mitred, welded and have a smooth finish on the front face
- A waterproof membrane over marine plywood will be required beneath the Skyline Coping to provide an effective waterproof seal

Colours & Finishes

- In-house polyester powder coating facility with 26 BBA approved standard colours
- Additional BS or RAL colours available to special order; also available in plain mill finish for on-site painting



Installation & Fixing

- Simple and quick to install
- In most cases fixing can be carried out from the roof so no external access is required making it particularly suitable for renovation work
- Minimal maintenance requirements

Quality & Sustainability

- Alumasc operates a quality management system which is audited to ISO 9001: 2008
- Alumasc manufacturing site at Burton Latimer is audited to the ISO 14001: 2004 Environmental Standard
- British Board of Agreement Certification No. 86/1671 aluminium rainwater systems and for polyester powder coating of our aluminium rainwater and skyline goods in respect of performance and colour fastness

