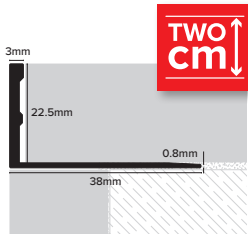
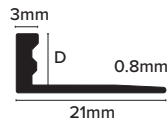


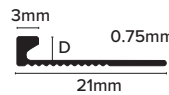
ESA / EFA



ESA225



ESA060 onwards



ESA030,040,050



01 White	02 Matt White	11 Grey	13 Champagne NEW	14 Taupe NEW	16 Black	17 Matt Black	18 Brushed Black	24 Sand	34 Soft Grey
69 Oil Rubbed Bronze NEW	77 Gunmetal	79 Auburn	80 Mill	81 Matt Silver	83 Matt Brass NEW	85 Pewter	86 Bright Brass	88 Nickel	89 Bronze
90 Brushed Brass	91 Bright Silver	92 Matt Nickel	94 Brushed Silver	95 Bright Copper	96 Brushed Copper				
401 Chalk Stone	411 Granite	414 Bath Stone	420 York Stone NEW	425 Sand Stone	435 Dark Granite	462 Earth Stone NEW	463 Urban Stone NEW	489 Bronzite	490 Nordic Stone

Product Description

Genesis ESA/EFA profiles are designed to protect the edges of ceramic tiles or similar hard finishes fitted in wall and floor installations, this is an L shaped extruded aluminium profile. The suitability of aluminium must be determined if Chemical or mechanical stresses are anticipated.

Dimensions

All profiles are available in 2.5m (finish 80 2.7m) lengths.

ESA depths: 2.25, 3.25, 4.25, 6, 8, 10, 12, 15, 18, 22.5mm.

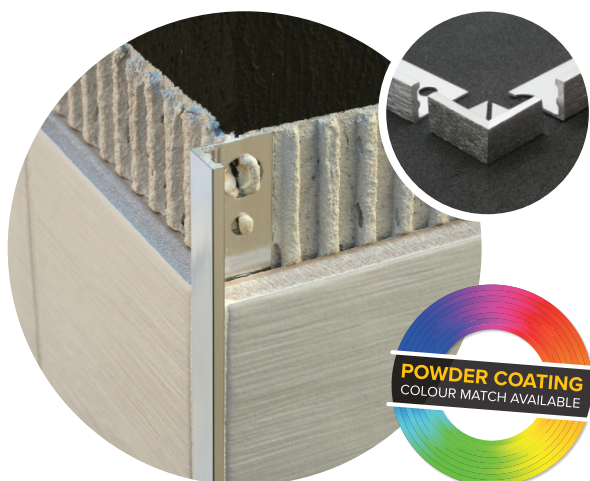
EFA depths: 3.25, 4.25, 6, 8, 10, 12, 15, 18mm

Allied Products:

ESA/EFA profiles have specially designed corner pieces to provide a perfect rounded safe edge when mitering either profile. External corners, ESC, are available in 8, 10 and 12mm depths.

External Use

We recommend powdercoated finishes are installed externally, these are marked * on the finishing table shown.



Technical Details

ESA/EFA profiles are available in different anodised finishes and powder coated finishes - All natural Aluminium (Mill Finish) has a oxide film of approx 0.2 microns, when Mechanically & Chemically polished the anodising process increases this to 5 microns, up-to 20 for the Matt finish and 100 for powder coated.

The minimum radius achieved forming by hand is 155mm (flange out) and 185mm with the flange facing in.

Aluminium AA 6063 T6 / UNS A96063 anodised to DIN 17611

Si%	0.2-0.6
Fe%	0.35
Cu%	0.1
Mn%	0.1
Mg%	0.45-0.9
Zn%	0.1
Cr%	<0.01
Al	Balance

Maintenance

These profiles do not require any special maintenance, any oxidation that develops on aluminium surfaces can be removed although they may recur naturally over time. This oxidation can be removed using a standard aluminium polishing agent, however, damage to an anodised finish, such as scratching, or cementitious chemical reaction can only be restored by recoating.

To preserve the appearance and performance of the profile, promptly remove any adhesive, mortar, cement, or grout residue from visible surfaces. When exposed to moisture, cement-based materials become alkaline and may cause corrosion of aluminium if left in contact for extended periods. Ensure the profile is fully embedded in the setting material and that all voids are completely filled to prevent the accumulation of alkaline water.

To maintain and protect the surface, clean only with colorless alcohol diluted in water or pH-neutral detergents. Avoid acidic cleaners, such as hydrochloric or hydrofluoric acid, as they can cause damage. Use only soft, non-abrasive cloths or sponges, and apply cleaning solutions to the cloth rather than directly onto the surface. After cleaning, rinse thoroughly with water and dry immediately using a soft cloth.

Installation

1. Select ESA/EFA according to tile thickness.
2. Trowel tile adhesive over the area that forms the perimeter of the tiled covering.
3. Press the perforated anchoring leg of the ESA into the tile adhesive and align, mechanical fix if required.
4. Trowel additional adhesive over the perforated anchoring leg to ensure full coverage.
5. Solidly embed the tiles so that the tiled surface is flush with the top of the profile, the profile should not be higher than the tiled surface, but rather up to approximately 1 mm lower.
6. Fill the joint completely with grout.