

Technical Datasheet - Metal Trim

Aluminium Feature Trim - ELK

Product Description

Genesis Intek profile offers a recessed decorative feature in-line with current themes and trends, designed to offer perfection and protection.

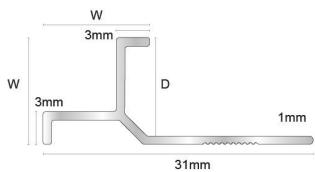
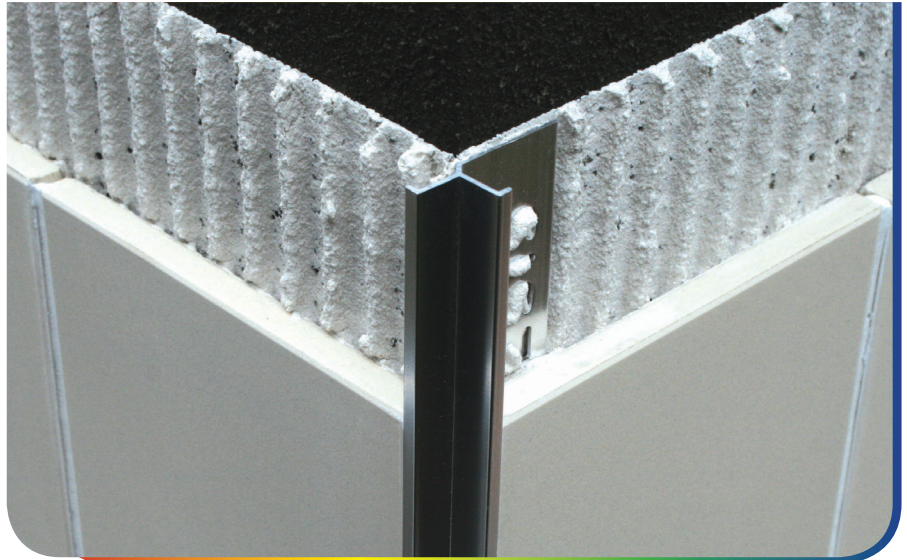
An Ideal solution as framing profile for doors and windows that creates a shadow joint at the perimeter. Matching prefabricated parts can be made available to create simple and elegant connections.

Dimensions and Colour

ELK profiles are available in 2.5m lengths in varying depths and finishes - see the Genesis website for more details.

Available in 10mm and 12mm (D).

Range



Technical Details

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 and Chemically polished the anodising process increases this to 5 microns, up-to 20 for the Matt finish and 100 for Powder coated.

Maintenance

Genesis ELK does not require any special maintenance. Oxidation films on Aluminium may be removed with a common polishing agent; however, they do reoccur. Damaged anodised finishes may only be repaired by recoating.

Aluminium must be tested to verify its suitability if chemical stresses are anticipated.

Cementitious materials, in conjunction with moisture, become alkaline. Since aluminium is sensitive to alkaline substances, exposure to the alkali (depending on the concentration and time of exposure) may result in corrosion (aluminium hydroxide formation). Therefore, it is important to remove adhesive or grout residue from visible surfaces. In addition, ensure that the profile is solidly embedded in the setting material and that all cavities are filled to prevent the collection of alkaline water.

The anodised layer creates a finish that retains a uniform appearance during normal use. The surface, however, is susceptible to scratching and wear and may be damaged by tile adhesive, mortar, or grouting material. Therefore, setting materials must be removed immediately. Otherwise, the description regarding aluminium applies.

Installation

1. Select ELK 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 profile 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.
6. Fill the joint completely with grout.

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 |
| Ti% | 0.1 |
| Cr% | 0.1 |
| Al | Balance |

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