

GC28



Product Description

Genesis aluminium cover strips designed for concealing joints in walls, ceilings and floors.

The suitability of aluminium must be determined if chemical or mechanical stresses are anticipated

Technical Details

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

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

Maintenance

This range 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

Dimensions

Available in 60 x 5mm, 80 x 5mm and 100 x 5mm widths and 2.7m lengths.

Installation

1. Ensure that all surfaces to which the profile is to be fixed are dry, flat and free from any contaminants.
2. Cut the profile to the required size.
3. Remove the cover from the two self adhesive strips on the underside of the profile.
4. Place the profile into position and firmly press into place.



Butyl			
	Unit	Nominal Value	Test Method
Dnyamic Tensile Adhesion	N/cm ²	30	H5
Dynamic Shear Adhesion	N/cm ²	12H	15
90° Peel Adhesion	N/cm	7H	48
180° Peel Adhesion	N/cm	14H	41
Specific Gravity	g/cm ³	1.6H	6
Moisture Vapour Transmission Rate	g/m ² /24hr/mm	0.15	ISO9932 / BS ISO 15106
Service Temperature Range	°C	-40 to +110	