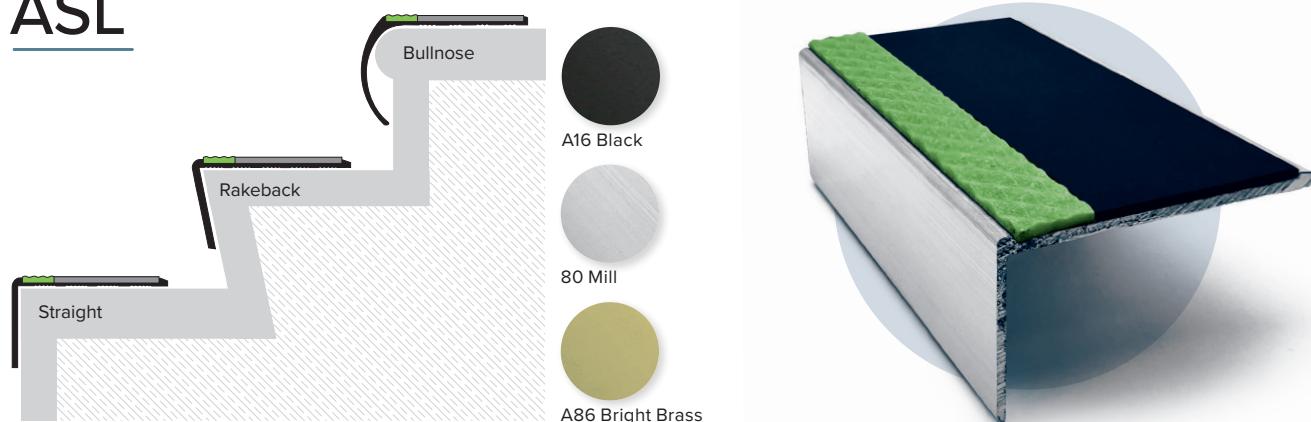
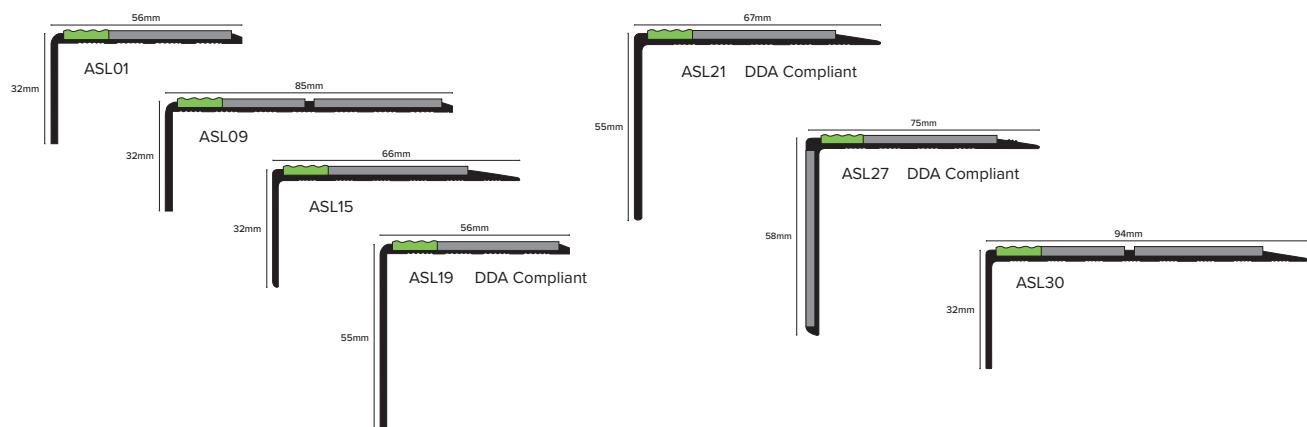


ASL



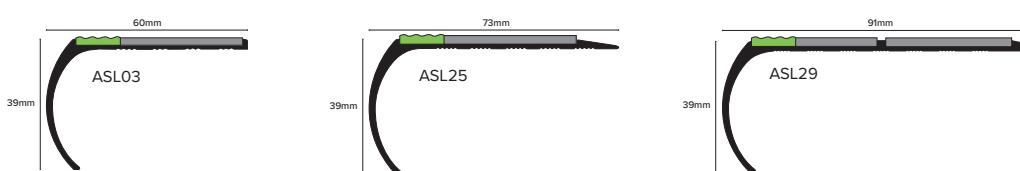
Straight

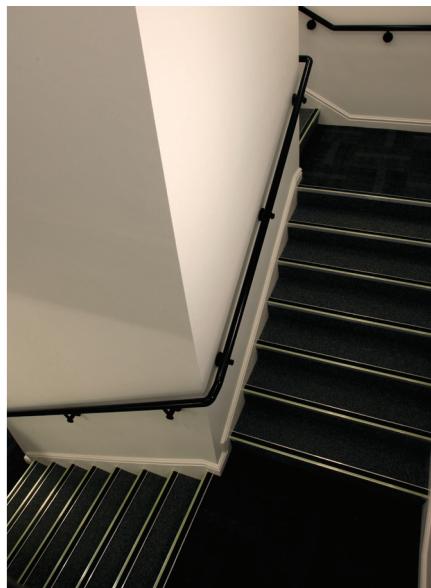
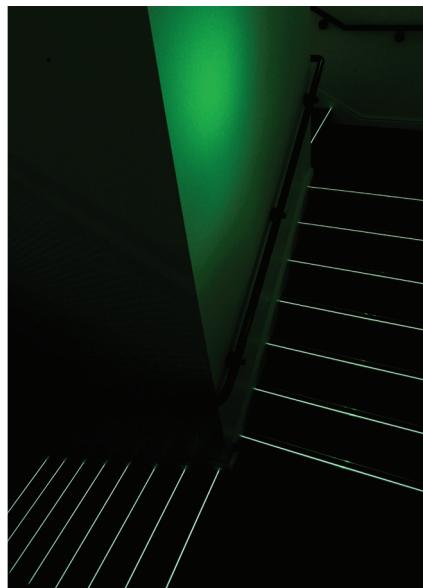
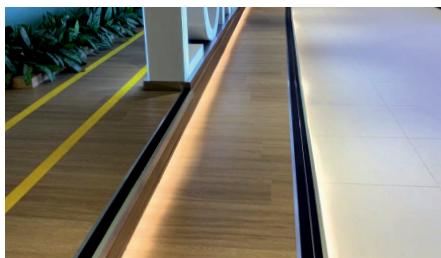
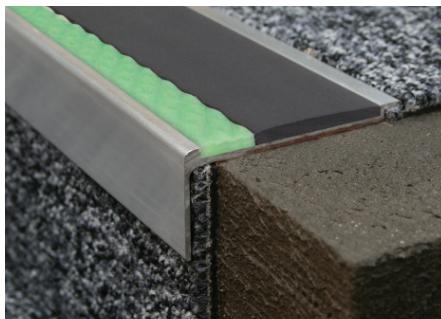


Rakeback



Bullnose





Product Description

The ASL Profile is designed to be used in most commercial and industrial applications with a coloured PVC insert. It is available in a 3mm gauge allowing for fixing with Vinyl, linoleum and medium carpets or similar floor covering. The profile is available in a range of designs with DDA and building regulations accounted for. Further technical information available on request.

Dimensions

Stock Lengths are available in 2.46m, 2.77m and 3.22m with a selection of non-slip PVC inserts.

Profiles can be anodised and cut to length upon request.

Aluminium Extrusion Standard

(DIN) EN 755 1994/1997 ; Aluminium and aluminium alloys. Alloy: 6063 Temper: T5

Technical Details

Chemical composition: In accordance with BS EN 573-3:2003 Aluminium and aluminium alloys. The trace elements of the composition which determine the alloy selected are 6063 Thermal Treatment designations: T6. To the best of our knowledge this is at least equal to the best in the market.

Manufacturing Tolerance: In accordance with BS EN 755

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

Inserts: All inserts should be cleaned using a neutral detergent and thoroughly rinsed with clean water. Ensure all inserts are dry prior to receiving foot traffic.

Aluminium Channel: These can be polished using steel wool or cloth to maintain the appearance - under no circumstances should solvent cleaners be utilised in cleaning or maintaining Genesis Aluminium Products.

Installation

1. Ensure the steps are dry, clean, free of debris, level and even.
2. If Predrilled use the drill holes to mark steps for drilling location.
3. Drill and Plug the steps.
4. Apply suitable adhesive to the underside of the nosing and apply nosing to the step.
5. Screw down the step with the appropriate size screws.
6. Apply insert (if separate) or insert pip to cover the screw head.

Insert Options (see details overleaf)

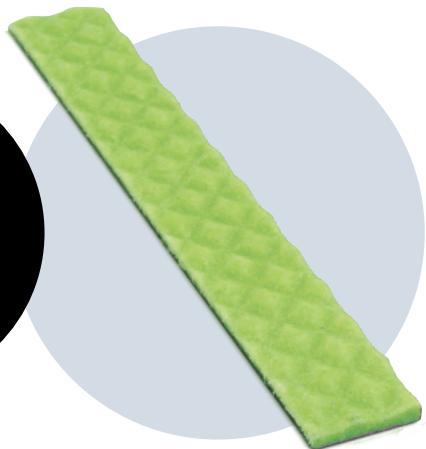
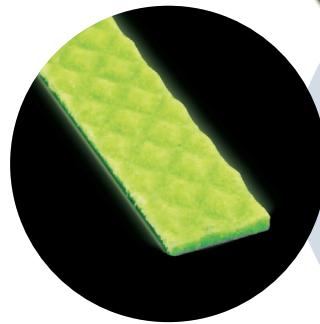
Standard Insert



Tredsafe® Insert



Aluminator® Insert



Description

Aluminator® insert is resistant to attack from ultraviolet light, oil, grease, petrol, salt, dilute acids and alkalis, common household chemicals and detergents. Organic solvents will soften **Aluminator®** insert.

Aluminator® insert is produced with a polyurethane coating which reduces dirt retention. The three dimensional pyramid pattern which provides excellent slip resistance in the wet will require more care than a smooth flooring surface. As with any flooring, regular maintenance is important to prevent excessive soiling. Cleaning is best achieved by scrubbing with a bristle brush in conjunction with warm soapy water. Commercial cleaning machines such as the "Scrub-Vac" are also suitable

Slip Resistance

See Tredsafe® overleaf

The UK slip resistance group recommends the following guidelines;

PTV	Slip Potential
0-24	High
25-35	Moderate
36+	Low

International testing houses consider the following guidelines;

Ramp	Slip Potential
R9	High
R10	Normal
R11	Low
R12	Very Low

Technical Details

Description	Aluminator® Lumitred
Chemical Identity	Europium doped Strontium Aluminate
Colour	Green
Peak Wavelength	520nm
Afterglow Brightness (Measured in Milli Candela after 10 mins excitation)	455 mcd/M ²
Afterglow duration (Time taken to reach an afterflow of 0.32 mcd/M ²)	>3000mins
Highly Visible Afterglow duration	>600mins
Light Fastness	Excellent
Chemical Stability	Excellent
UV Stability	Balance
Intended Use	Light Stablity of Polyolefin Polymers
Loading	2%

Physical Properties

Physical	Test Method	Nominal Value	Test Method	Nominal Value
Melt Flow Index	ISO 1133	1.0 g/10min	ASTM D1238	1.0 g/10min
Density	ISO 1183	0.90 g/cm ³	ASTM D792	0.9 g/cm ³
Mechanical				
Tensile Stress (Yield)	ISO 527-1	290 kgf/cm ² 28 Mpa	ASTM D638	290 kgf/cm ² 31 Mpa
Tensile Stress (Break)	ISO 527-1	>100%	ASTM D638	>100%
Flexural Modulus	ISO 178	12,500 kgf/cm ² 1,323 Mpa	ASTM D790	13,500 kgf/cm ² 1,320Mpa
Impact				
Notched Izod Impact Strength (23°C)	ISO 180	40 kgf.com/cm 392 J/m	ASTM D256	40.0 kgf.cm/cm 490 J/m
Notched Izod Impact Strength (10°C)	ISO 180	- kfg.cm/cm - J/m	ASTM D256	4.5 kgf.cm/cm 44 J/m
Thermal				
Heat Deflection Temperature (4.6kgf/cm ²)	ISO 75-1	112°C	ASTM D648	110°C
Vicat Softeneing Point	ISO 306	153°C	-	-
Additional Property				
Flammability	UL94	HB	UL94	HB

Standard Inserts

Standard PVC Insert

A REACH compliant flexible PVC extrusion grade specifically designed for non-scuff stair nosing applications with good anti-slip properties; to our knowledge our inserts achieve the best slip resistance results in the market.

Slip Resistance

Inclined Platform Test DIN 51130:2010
Category: R11
Slip Resistance BS 7976-2:2002
Pendulum Test
PTV Average Dry Value: 66
PTV Average Wet Value: 54

Tredsafe® Insert

Tredsafe® insert is manufactured from a special blend of P.V.C., silica quartz and polymeric plasticiser giving an homogeneous hard wearing anti-slip flooring for wet and dry conditions. (Meets British Standard for Sheet Vinyl and Vinyl Tiles BS3261:1973).

Tredsafe insert is resistant to attack from ultraviolet light, oil, grease, petrol, salt, dilute acids and alkalis, common household chemicals and detergents. Organic solvents will soften Tredsafe® insert.

Tredsafe® insert is produced with a polyurethane coating which reduces dirt retention. The three dimensional pyramid pattern which provides excellent slip resistance in the wet will require more care than a smooth flooring surface. As with any flooring, regular maintenance is important to prevent excessive soiling. Cleaning is best achieved by scrubbing with a bristle brush in conjunction with warm soapy water. Commercial cleaning machines such as the "Scrub-Vac" are also suitable

Slip Resistance

Inclined Platform Test DIN 51130:2010

Category: R11

Slip Resistance BS 7976-2:2002

Pendulum Test

PTV Average Dry 57

PTV Average Wet 47

Residual Indentation

(2.5mm dial gauge) Mean 0.05mm

Dimensional Stability

80°C for 6 hours) 0.12%

Moisture Movement

23°C for 24 hours) 0.02%

Elastic Property

(Tensile Strength 2.48mj/m³

Heat Ageing

(70°C for 15 days) Exudation None, Colour Change None

Wear Resistance - Taber Abrader

1kg load = 1000 revs.

H18 wheel @ 60 rpm = 0.6gm

Weight Loss

Flammability and Smoke Density

Flame Spread = 0

Smoke Dev = 7

Australian Std Test: 1530.3.1982

Mean Critical radiant flux 10.3kw/m²

Mean smoke development rate 85 percentage minutes

Australian Std Test:

AS/ISO 9239.1 2003

Insert LRV SINGLE DOUBLE

Standard

01 White	79.9	<input type="checkbox"/>	<input type="checkbox"/>
16 Black	4.5	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
20 Brown	9.1	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
25 Beige	41.1	<input type="checkbox"/>	<input type="checkbox"/>
27 Canvas	53.2	<input type="checkbox"/>	<input type="checkbox"/>
30 Red	10.6	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
43 Dolphin Grey	27.6	<input type="checkbox"/>	<input type="checkbox"/>
44 Ice Grey	42.1	<input type="checkbox"/>	<input type="checkbox"/>
46 Midnight Grey	12.8	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
47 Yellow	55.7	<input type="checkbox"/>	<input type="checkbox"/>
48 Cobalt Blue	9.2	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
58 Cloud	59	<input type="checkbox"/>	<input type="checkbox"/>
68 Haze	66.2	<input type="checkbox"/>	<input type="checkbox"/>
78 Sand	70.3	<input type="checkbox"/>	<input type="checkbox"/>

Tredsafe®

601 White	49.9	<input type="checkbox"/>	<input type="checkbox"/>
616 Black	4.6	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
621 Safety Blue	10.8	<input type="checkbox"/>	<input type="checkbox"/>
643 Dolphin Grey	11.5	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
647 Yellow	48.1	<input type="checkbox"/>	<input type="checkbox"/>

Channels

16 Black	4.7	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
80 Mill	78.9	<input type="checkbox"/>	<input type="checkbox"/>
86 Bright Brass	64.3	<input type="checkbox"/>	<input type="checkbox"/>

Standard



Tredsafe®



International testing houses consider the following guidelines;

Ramp	Slip Potential
R9	High
R10	Normal
R11	Low
R12	Very Low

Results

Insert	Inclined Platform Test DIN 51130:2010*		Pendulum Test BS 7976-2:2002*	
	Category	Dry	Wet	
Standard	R11	66	54	
Tredsafe®	R11	57	47	

*Average of Six Shod Results (Corrected). *PTV Average Value.

Potential of slipping

