

# Anodised Aluminium

Fact Sheet for Terrain Group  
Anodised Aluminium Features



**Terrain Group anodised aluminium boasts some great qualities for the open space environment.**

Anodised aluminium features far outweigh other options, being the best selection for your open space upgrade.



**Built to last**

## Anodised Aluminium

By nature aluminium protects itself from airborne elements by forming a thin yet tenacious layer of aluminium oxide over its surface area. Anodising is an electrolytic process introduced to artificially thicken this naturally occurring film by converting a portion of the underlying surface aluminium into the 'more protective' aluminium oxide. The anodising process produces a clear, hard and extremely corrosion resistant film capable of being coloured while also increasing the hardness of the treated aluminium surface by more than three times. These improved properties broaden the possible application for the aluminium and enhance its suitability in many of its existing uses. Unless severely deformed or stressed by excessive thermal movement, anodising will not chip, peel or crack.

## How hard is Anodising?

Aluminium oxide, which forms and builds in thickness during the anodising process, is the second hardest mineral known to man (only a diamond surpassing it in hardness). When it came to selecting the most durable finish for the Terrain Group products, the choice was undoubtedly anodising.

## Special features of anodising

- Easy removal of painted graffiti
- UV Stable (applies to the entire colour range) – does not require painting
- The reflective qualities of anodising aluminium make it cooler than steel, plastic or timber

PROPERTY	POLYESTER POWDER-COAT	HIGH DURABILITY POLYESTER POWDERCOAT	EXTRA HIGH DURABILITY POWDERCOAT	ANODISING
COMPOSITION	Polyester	Polyester	Polyester	Electro Deposit
COLOUR RANGE	Colour Card Colours	Limited Range	Limited Range	Clear, Bronzes, Black, Blue Night, Olive Mist & Grey Smoke
COLOUR VARIATION	Very Good	Very Good	Very Good	Good
GLOSS RANGE	'10 – 90	'30 – 90	'30 – 90	'50 – 90
SCUFF RESISTANCE	Very Good	Good	Good	Excellent
YEARS FIRST CHALK	1 – 2 Years	3 – 5 Years	+ 4 Years	10 Years
GUIDE TO SURFACE LIFE	10 Years	10 Years	+10 Years	15 Years
PENCIL HARDNESS	3 H	2 H	H	6H+
DRY FILM BUILD (microns)	40 – 60	60 – 80	60 – 80	10, 15, 20, 25
SPECIFICATIONS	AS 3715	AS 3715	AS 3715	AS 1231