

## Technical Data

### Aluminium Alloy HGP Tread Plate

#### Introduction:

GA HGP Tread Plates are produced by patterned rollers at the rolling mill, from high quality aluminium materials, to Standard BS EN 485/515/573. The pattern is therefore integral with the base material, making this a durable and wear resistant product.

#### Material grades:

- Spec. 5754 – Excellent corrosion resistant and high strength properties. Good for forming and welding.
- **Surface Finishes:**
- Natural Anodised
- Mill (untreated)
- Powder coated (on request)

#### Material Thickness:

- 2.0mm. base thickness with the pattern upstanding an additional 0.5mm – 1.0mm.

#### Notes:

Good surface on one side only : Flatness tolerances on patterned sheets do not apply.

Panel sizes can vary +/- 2% : With anodised items, shade variations can occur between sheets.

Visible jig/clamp marks are unavoidable on full size anodised sheets, usually these are no more than 19mm in from the sheet edges/ends.

#### BS & European Standards and Specifications

Aluminium Sheet: BS EN BS EN 485/515/573

BS EN 485: Aluminium & Aluminium Alloy Sheet, strip, plate. Mechanical properties.

BS EN 515: Wrought products, temper designations.

BS EN 573: Chemical composition, form of wrought products

**Anodising:** BS EN ISO 7599

Anodising of aluminium and its alloys. General specifications for anodic oxidation coatings on aluminium.

#### Paint & Powder Coating: BS 6496 (1984):

Specification for powder organic coatings for application and stoving to aluminium alloy extrusions, sheet and pre-formed sections for external architectural purposes, and for the finish on aluminium alloy extrusions, sheet and preformed sections coated with powder organic coatings.

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