



## ALLOY 6082-T6 TO EN755

### MECHANICAL PROPERTIES

YIELD STRENGTH: 230Mpa

TENSILE STRENGTH: 280Mpa

### PHYSICAL PROPERTIES

DENSITY	2,70KG/DM <sup>3</sup>
MODULUS OF ELASTICITY	70GPa
THERMAL CONDUCTIVITY	172W/m.c
COEFFICIENCY OF THERMAL EXPANSION	23.1 X 10-6/°C
ELECTRICAL RESISTIVITY AT 20°C	44% IACS
MELTING RANGE	575°C - 650°C

### COMPOSITION

	Min.	Max.
Si	0.70	1.30
Fe		0.50
Cu		0.10
Mn	0.40	1.00
Mg	0.60	1.20
Cr		0.25
Zn		0.20
Ti		0.10
Other Elements	0.05 each	0.15 Total

Product specification data sheet: Round Swaged Downpipes



Materials:

Aluminium profiles are extruded from aluminium alloy 6063 T6 complying with:  
BS1474 – BS EN 12020-2:2001 / BS EN 755-9:2001

Paint finishes (Polyester Powder Coatings):

Aluminium profiles can be dual colour polyester powder coated to BS6496.

AMS offers in house painting with the following paint suppliers:

Azko Nobel Interpon D,

Du Pont Alesta,

Beckers Powder



Product specification data sheet: Swaged Downpipes

MANUFACTURER: ALU-CAST ENTREPRISES LTD

Unit 2 - Corbally Industrial Estate, Kanturk, Co. Cork

tel: 029-50234/0872550340

Fax: 029-51226

email: [info@alucast](mailto:info@alucast).

Web: [www.alucast.ie](http://www.alucast.ie)

PRODUCT: Swaged Downpipes available in 75mm or 100mm dia and 2 or 3 mtr lengths.

MATERIAL: Marine Grade Extruded Aluminium to BS EN755-9:2001 / BS EN 12020-2:2201.

Aluminium alloy 6063 to T5, T6 temper grade.

GUAGE: 2.0mm wall thickness

FINISH: Mill Finish or Polyester Powder Coated (BS EN12206-1: 2004) to selected RAL colour

FIXING METHOD: 2 – 8x60mm drive in fixings per bracket

Brackets can either be as standard or a special design to accommodate stand-off required

JOINTING: A swaged jointing system with separate wall fixing brackets

ACCESSORIES: Swan Necks, Offsets, Plint Offsets, Y Branches, Bends, Shoes etc.to be supplied by the same Manufacturer.

Materials to be installed strictly in accordance with manufacturer's instructions



## EXTRUDED ALUMINIUM PIPE RANGE WITH SWAGED JOINTS

### APPLICATION

- Specifically designed for modern contemporary buildings seeking to have a robust rainwater discharge system with high aesthetic.
- Concealed swaged joining and fixing with wall brackets
- A clean contemporary aesthetic.

### PERFORMANCE

- Low maintenance life expectancy of 40yrs
- Coefficient for thermal expansion – 0.000023degC
- Do not aid combustion
- Melting point approximately 660C

### INSTALLATION

- Easy Installation with simple Swaged socket and wall bracket
- 2 – 8x60m drive in fixings per bracket

### MATERIAL

- Extruded Aluminium to BS EN755-2:2008. Aluminium alloy 6063 to T6 temper grade
- Lightweight, durable and non-corrodible (under normal atmospheric conditions)
- 100% recyclable

### PROFILES/SIZES

- 75mm, 100mm dia
- 2mtr, 3mtr lengths

### FINISHES

- Polyester Powder Coated Finish
- Full RAL colour ranges / Mill Finish