

## ANTI VANDAL DOWNPIPES

### MECHANICAL PROPERTIES

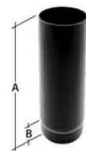
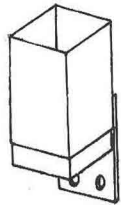
Yield Strength: 230Mpa  
Tensile Strength: 280Mpa

### PHYSICAL PROPERTIES

Density: 2,70KG/DM<sup>3</sup>  
Modulus of Elasticity: 70GPa  
Thermal Conductivity: 172W/m.c  
Coefficient of Thermal Expansion: 23.1 X 10<sup>-6</sup>/°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



### 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

### MANUFACTURER:

ALU-CAST ENTREPRISES LTD  
Unit 2 - Corbally Industrial Estate, Kanturk, Co. Cork  
tel: 029-50234/0872550340  
fax: 029-51226  
email: info@alucast.ie  
web: www.alucast.ie

### PRODUCT:

Anti Vandal Downpipes available in  
- Round - 75mm, 100mm and 150mm  
- Square - 75mm and 100mm  
- Rectangular - 100mm x 75mm

### MATERIAL:

Marine Grade Extruded Aluminium to BS EN755-9:2001 / BS EN 12020-2:2001.  
Aluminium alloy 6063 to T5, T6 temper grade.

### GAUGE:

2.0mm wall thickness on 75mm and 100mm pipe  
3.0mm wall thickness on 150mm pipe

### FINISH:

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

### FIXING METHOD:

Concealed 3mm aluminium fixing plate

### JOINTING:

Jointing is achieved with a concealed spigot which is factory fitted.

### 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

### APPLICATION

- Specifically designed for security conscious environments  
- Fits flush to the wall making them vandal resistant  
- 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 concealed fixing plate and joining spigot

### 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

- Round - 75mm, 100mm, 150mm  
- Square – 75mm, 100mm, 150mm  
- Rectangular- 75mm x 100mm  
- 2mtr,3mtr lengths

### FINISHES

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