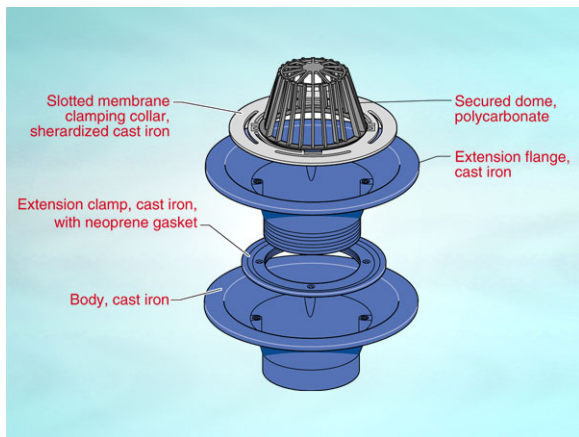


**Product Details**

**WC646 Outlet with Circular Dome**

**Technical Data**



**Dimensions:**

310 dia. at finish level

405 dia. body

149 - Height below Body Flange

80 to 115 - height between roof deck and membrane level

**Connection** - female 6" BSP threaded connection (150mm)

**Free Area** - body= 176cm<sup>2</sup>, grating= 510cm<sup>2</sup>

**Materials** - Dome - polycarbonate; Body - cast iron;

Membrane Clamp - cast iron, lacquered

**Load Rating Class** - K3

**Weight** - 21.6 kg

**General Description:**

310 Dia. Cast Iron 3100 series (Deep Sump) Warm Roof Outlet with Circular Dome, with 6" BSP dia. vertical outlet.

**Options:**

To specify an option, add option letter(s) as a suffix to the Spec. Code

K - bonded insulation jacket

SS - stainless steel dome

Z - rigid PVC flange for use with PVC single ply membranes

**Materials:**

**Cast Iron - BS EN 1561:** Used for bodies, membrane clamping collars, spigot adaptors and accessories such as extensions. A widely used metal in the drainage industry, its resistance to corrosion permits extended use under extreme conditions. Castings are coated with a high grade lacquer paint to provide internal and external surface coverage. Paint will gradually wear off and is replaceable; oxidation (surface rusting) is a natural process which does not weaken the material. A zinc anti-corrosion coating is applied to certain castings by sherardizing.

**Polycarbonate:** Used for domes. A polycarbonate/ABS blend which offers durability, high impact strength and long-term resistance to ultraviolet light.

All dimensions are in millimetres unless stated. In line with general practice all dimensions shown are nominal.

Wade International

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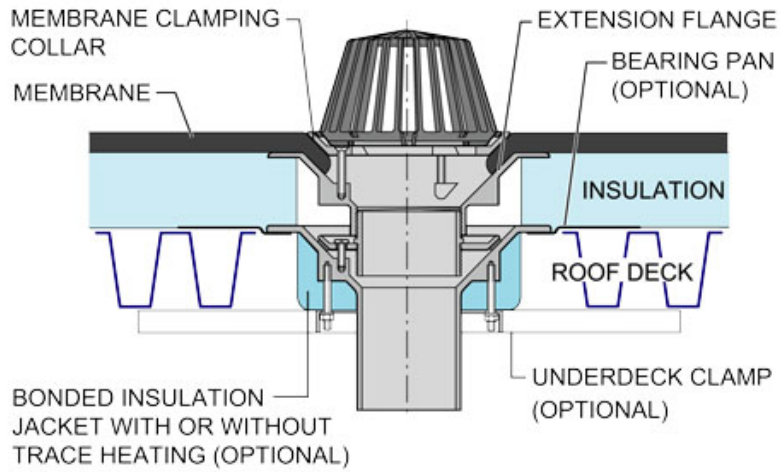
Fax: +44 (0)1787 475579

e-mail: wadetech@alumascwms.co.uk

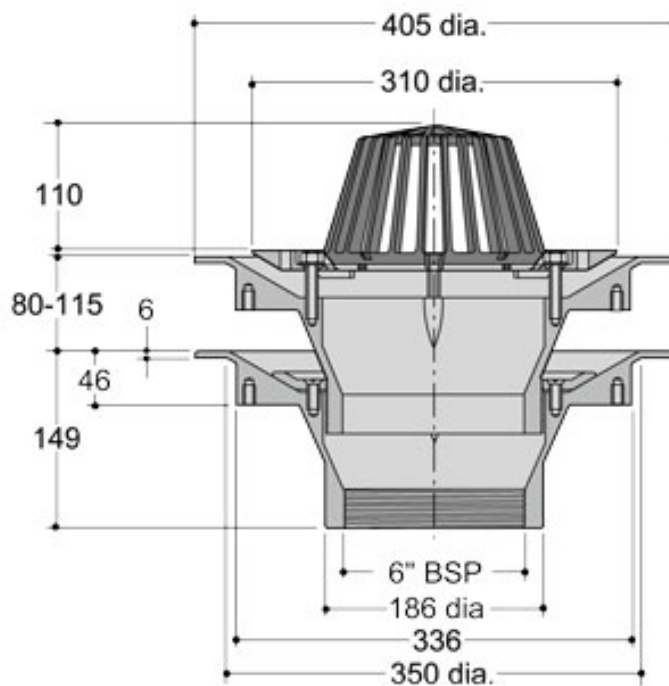
website: <https://www.alumascwms.co.uk/brands/wade/>

**Typical Installation for WC646:**

Note: This illustration may show a similar Wade Product - it is intended to show the general installation type only.



**Dimensioned Section for WC646:**



**Flow Performance Figures for WC646:**

<b>Head of water at outlet</b>	<b>15mm</b>	<b>20mm</b>	<b>25mm</b>	<b>30mm</b>	<b>35mm</b>	<b>40mm</b>	<b>50mm</b>
<b>Flow Rate (l/s):</b>	3.48	4.9	6.98	8.9	10.42	11.4	12.1
<b>Roof area drained (m<sup>2</sup>) at 0.021 l/s per m<sup>2</sup> rainfall rate:</b>	166	233	332	424	496	543	576

**Note:** Flow rates of Wade roof outlets have been established by full-scale tests. The values shown in the table are 75% of such tests. The design of the layout of roof outlets should be in accordance with the recommendations given in BS EN 12056:3.