

# SABdrain

water drainage systems

## 601 300mm x 300mm - Load Class B80

FOR CONCRETE

### Specification Clause

The surface drainage system shall be Sabdrain 601 300 300 polypropylene plastic channel, fitted with galvanised steel grating Load Class - B80.

### Properties

Sabdrain 601 300300 polypropylene plastic channels shall meet the following properties:-

COMPRESSIVE STRENGTH	<b>58N/mm<sup>2</sup></b>
TENSILE STRENGTH	<b>14N/mm<sup>2</sup></b>
DENSITY	<b>0.960 g/cm<sup>2</sup></b>
WATER ABSORPTION	<b>&lt;0.05%</b>
THERMAL EXPANSION COEFFICIENT	<b>15x12<sup>-5</sup> mm/°C</b>
FROST PROOF	<b>YES</b>
MELTING POINT	<b>162 - 168 °C</b>
CO EFFICIENT OF ROUGHNESS	<b>N=0.010</b>
CHEMICAL RESISTENCE	<b>YES</b>
NON FLAMMABLE	<b>YES</b>

for detailed chemical resistance, refer to <https://sabdrain.com.au/chemical-resistance/>

### Dimensions

Sabdrain 601 300300 channels dimensions shall be an internal height of 200mm with an internal width of 300mm and an overall height of 370mm and width of 390mm, with Male/Female interlocking joints, the channels shall have provision to create a 2° (17M) Radius.

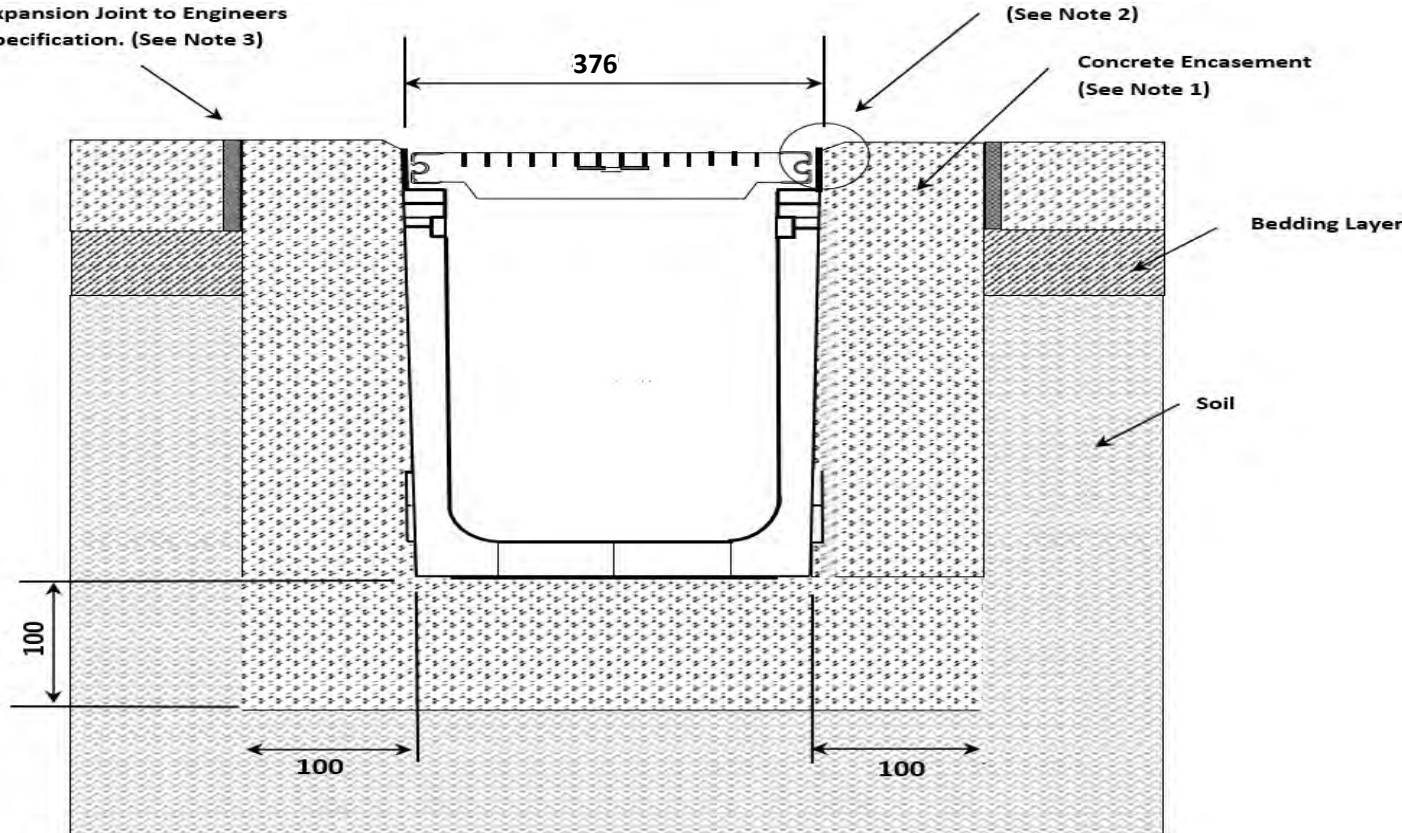
### Grates

Refer to the relevant specification sheet for the selected grate.

### Installation

The Sabdrain 601 300300 Drainage system shall be installed for its intended purpose. Any improper installation and usage could result in product failure.

Expansion Joint to Engineers Specification. (See Note 3)



(See Note 2)

Concrete Encasement  
(See Note 1)

Bedding Layer

Soil

### Notes

1. Concrete encasement dimensions and/or reinforcement changes may be required for specific site conditions. Minimum concrete strength of 25MPa is recommended. Ensure concrete is vibrated Always seek engineering advice.
2. The finished level of the concrete encasement should be 3-5mm above the channel edge.
3. Expansion control joints are recommended for protection of the concrete encasement.

