

SABdrain

water drainage systems

501 150mm x 100mm - Load Class A10

FOR CONCRETE

Specification Clause

The surface drainage system shall be Sabdrain 501 150100 polypropylene plastic channel, fitted with polypropylene grating Load Class - A10.

Properties

Sabdrain 501 150100 polypropylene plastic channels shall meet the following properties:-

COMPRESSIVE STRENGTH	58N/mm ²
TENSILE STRENGTH	14N/mm ²
DENSITY	0.960 g/cm ³
WATER ABSORPTION	<0.05%
THERMAL EXPANSION COEFFICIENT	15x10 ⁻⁵ mm/°C
FROST PROOF	YES
MELTING POINT	162 – 168 °C
COEFFICIENT OF ROUGHNESS	N=0.010
CHEMICAL RESISTENCE	YES
NON FLAMMABLE	YES

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

Dimensions

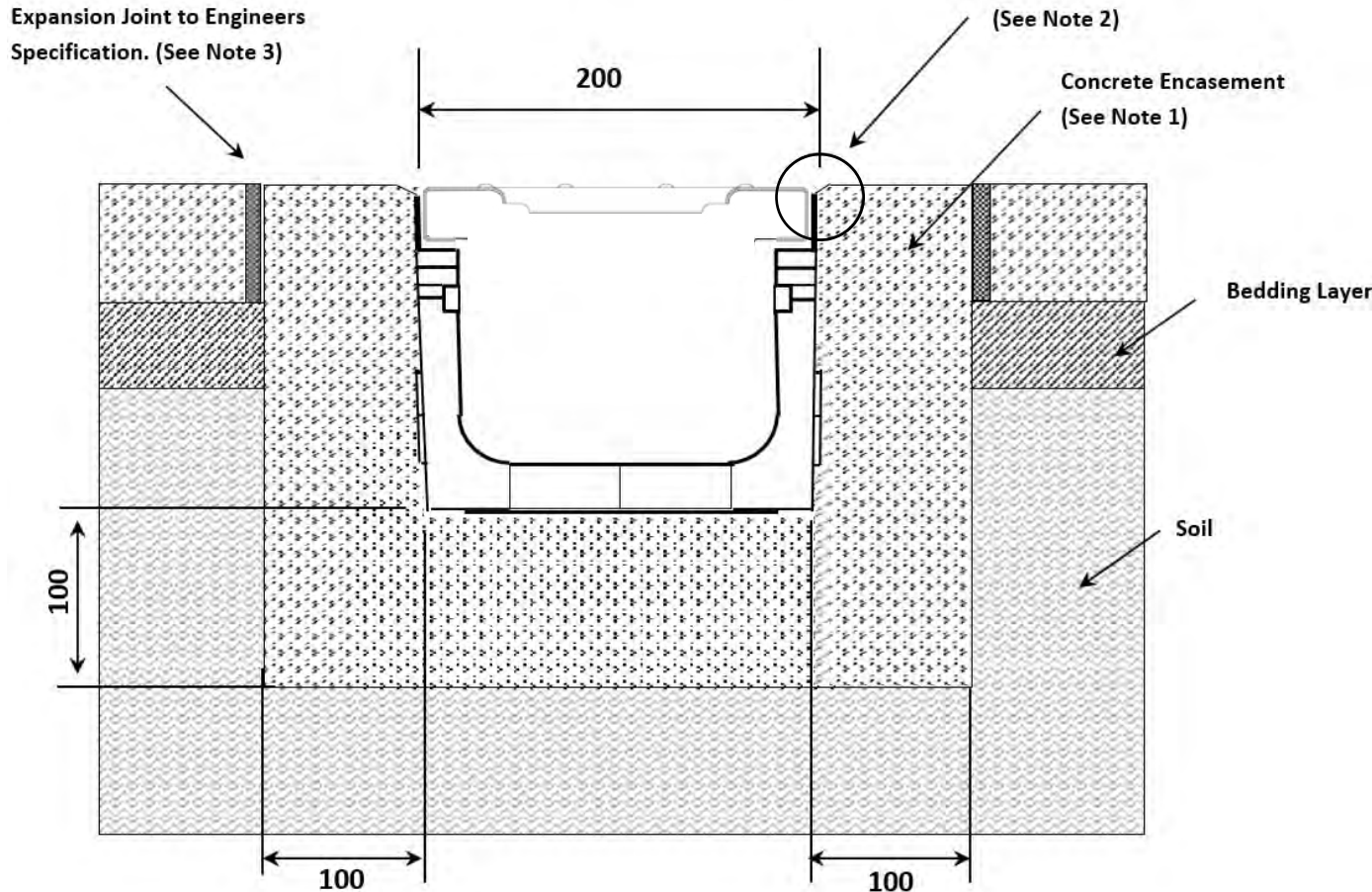
Sabdrain 501 150100 channels dimensions shall be an internal height of 100mm with an internal width of 150mm and an overall height of 150mm and width of 200mm, with Male/Female interlocking joints, the channels shall have provision to create a 2° (17M) Radius.

Grates

Refer to the relevant specification sheet for the selected grate.

Installation

The Sabdrain 501 100150 Drainage system shall be installed for its intended purpose. Any improper installation and usage could result in product failure.



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 Alwaysseek 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.

