

SABdrain

water drainage systems

704 150mm x 150mm Load Class D210 FOR CONCRETE

Specification Clause

The surface drainage system Sabdrain 704 150150 polypropylene plastic channel fitted with Cast Iron Load Class Rating – D210.*

*Load Classification AS3996:2006 C150 & D210 is similar to EN1433:2006 C250.

Properties

Sabdrain 704 150150 polypropylene plastic channels shall meet the following properties:-

COMPRESSIVE STRENGTH	58N/mm²
TENSILE STRENGTH	14N/mm²
DENSITY	0.960 g/cm³
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 704 150150 channels dimensions shall be an internal height of 150mm with an internal width of 150mm and an overall height of 200mm and width of 200mm, with Male/Female interlocking joints, the channels shall have provision to create a 2° (17M) Radius.

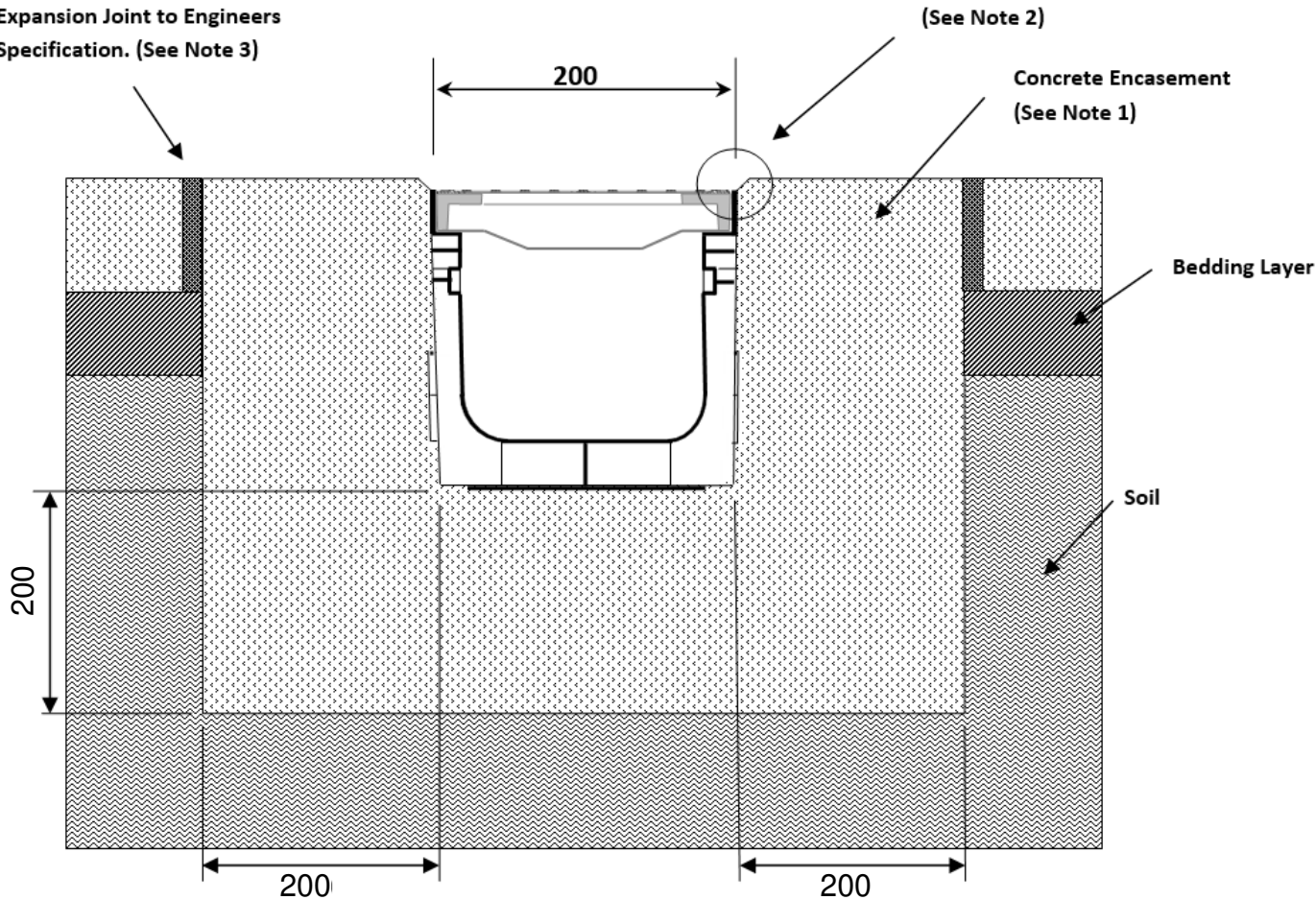
Grates

Refer to the relevant specification sheet for the selected grate.

Installation

The Sabdrain 704 150150 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 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.

