

SABdrain

water drainage systems

705 Grande 500mm x 500mm Load Class E400

FOR ASPHALT

Specification Clause

The surface drainage system Sabdrain 705 500500 polypropylene plastic channel fitted with Cast Iron Grating, Load Class Rating – E400

Properties

Sabdrain 705 500500 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 705 500500 channels dimensions shall be an internal height of 500mm with an internal width of 500mm and an overall height of 560mm and width of 595mm, with Male/Female interlocking joints, the channels shall have provision to create a 2° (17M) Radius.

Grates

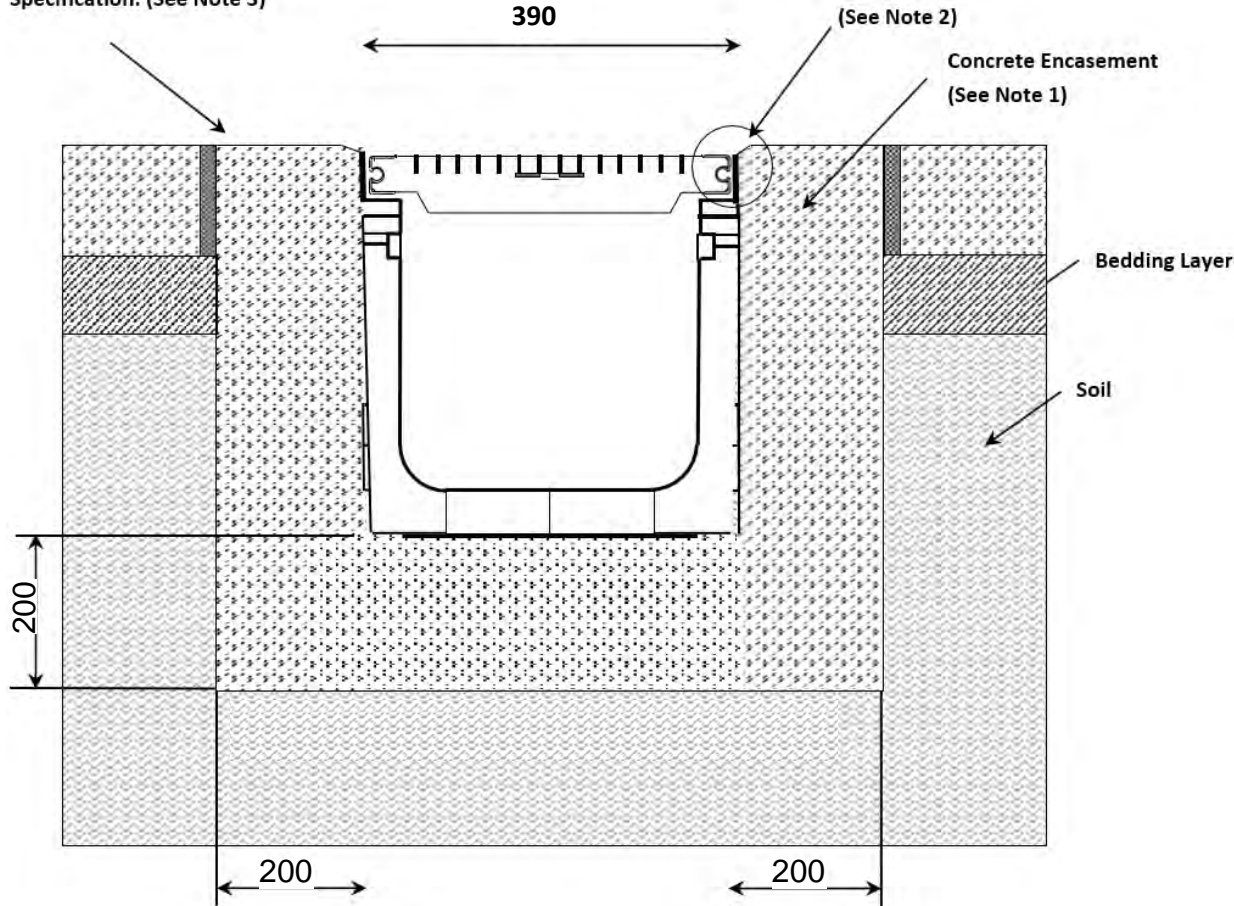
Refer to the relevant specification sheet for the selected grate.

Installation

The Sabdrain 705 500500 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)



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.