See Note 2.

Mortar (see Note 3)

Pavers

Paving Sand

Bedding Layer

Concrete Encaement (see Note 1)

Soil

Notes:
1. Specific site conditions may require an increase in the concrete encasement dimensions and/or reinforcement. It is the customer’s responsibility to ensure the concrete encasement is designed for the application. A minimum concrete strength of 25MPa is recommended. The concrete should be vibration to eliminate air pockets. Engineering advice may be required.
2. The finished level of the pavers must be approximately 3mm above the top of the channel edge.
3. The paver course adjacent to the channel edge must be fully bonded to the concrete surround.
4. For further details, refer to ACO’s design & site installation files at www.acodrain.com.au/resources.

K100 - Klaskikdrain - Load Class: A-B

For Pavers

Installation Drawing - ACO Drain

Aco Polycrere Pty Ltd
Australia
Ph: 1300 765 226
www.acodrain.com.au

ACO Limited
New Zealand
Ph: 0800 448 080
www.acodrain.co.nz

SPECIFICATION CLAUSE
KLASKIKDRAIN K100 - LOAD CLASS A-B

General
The surface drainage system shall be ACO’s Klaskikdrain K100 polymer concrete V profile channel system with galvanized steel edge rails as manufactured by ACO.

Materials
K100 channels shall be manufactured from polyester resin polymer concrete with an integrally cast-in galvanized steel edge rail. Properties of polymer concrete will be as follows with supporting documentation:

- Compressive strength: 98 MPa
- Flexural strength: 26 MPa
- Tensile strength: 14 MPa
- Water absorption: 6.07%
- Frost proof: Yes
- Coefficient of expansion/contraction: 2.02x10^-6°C
- Water vapour transmission: 0.035kg/m²
- Non flammable: Yes
- Coefficient of roughness (Mannings): n=0.011
- Resistant to weathering: Yes
- Dilute acid and alkali resistant: Yes
- SF sealant groove: Yes

Channels
K100 channel shall be 100mm nominal internal width with an overall width of 130mm. Channel invert shall have a V profile to allow efficient drainage. K100 sloped channels shall have a built-in slope of 0.5%. All channels shall be interlocking with a male/female joint.

Grates
Insert specification for the selected grate. Refer to the relevant ACO specification information sheet. Click www.acodrain.com.au/resources.

Installation
The complete drainage system shall be by ACO and to be installed for its intended purpose. Any deviation or partial use of the specified system and/or improper installation will void all warranties provided by ACO.