

NOTES:

- 1. Specific site conditions may require an increase in 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 vibrated to eliminate air pockets. *Engineering advice may be required*.
- 2. The finished level of the concrete encasement must be approximately 3mm above the top of the channel edge.
- 3. Expansion and crack control joints are recommended to protect the channel and the concrete encasement. Engineering advice may be required.
- 4. For further details, refer to ACO's design & site installation files at www.acodrain.com.au/resources.

SPECIFICATION CLAUSE MINIKLASSIK M100K - LOAD CLASS A-B

GENERA

THE SURFACE DRAINAGE SYSTEM SHALL BE ACO'S MINIKLASSIK M100K POLYMER CONCRETE MINI CHANNEL SYSTEM WITH GALVANISED STEEL EDGE RAILS AS MANUFACTURED BY ACO.

MATERIAL

M100K CHANNELS SHALL BE MANUFACTURED FROM POLYESTER RESIN POLYMER CONCRETE WITH INTEGRALLY CAST-IN GALVANISED STEEL EDGE RAILS. 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: 0.07% FROST PROOF: COEFFICIENT OF EXPANSION/CONTRACTION: 2.02x10⁻⁵/°C WATER VAPOUR TRANSMISSION: 0.0364g/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

M100K CHANNEL SHALL BE 100mm NOMINAL INTERNAL WIDTH WITH AN OVERALL WIDTH OF 130mm. CHANNELS SHALL HAVE AN OVERALL DEPTH OF 60mm FOR USE IN COMPACT AREAS. 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.

M100K-AB-C



M100K - MINIKLASSIK - LOAD CLASS: A-B FOR CONCRETE SLAB

INSTALLATION DRAWING - ACO DRAIN

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