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 vibrated to eliminate air pockets. Engineering advice may be required.
2. Expansion and crack control joints are recommended to protect the channel and the concrete encasement. Engineering advice may be required.
3. For further details, refer to ACO's design & site installation files at www.acodrain.com.au/resources

SPECIFICATION CLAUSE
SLABDRAIN H300SK - LOAD CLASS C-D

GENERAL
THE SURFACE DRAINAGE SYSTEM SHALL BE ACO'S SLABDRAIN H300SK POLYMER CONCRETE SHALLOW CHANNEL SYSTEM WITH DUCTILE IRON EDGE RAILS AS MANUFACTURED BY ACO.

MATERIALS
H300SK CHANNELS SHALL BE MANUFACTURED FROM POLYESTER RESIN POLYMER CONCRETE WITH INTEGRALLY CAST-IN DUCTILE IRON EDGE RAILS. PROPERTIES OF POLYMER CONCRETE WILL BE AS FOLLOWS WITH SUPPORTING DOCUMENTATION:

- COMPRESSION STRENGTH: 98 MPa
- FLEXURAL STRENGTH: 26 MPa
- TENSILE STRENGTH: 14 MPa
- WATER ABSORPTION: 0.07%
- FROST PROOF: YES
- COEFFICIENT OF EXPANSION/CONTRACTION: 2.02x10\(^{-5}\)/°C
- WATER VAPOUR TRANSMISSION: 0.0364g/m²
- NON FLAMMABLE: YES
- COEFFICIENT OF ROUGHNESS (MANNING'S) n=0.011
- RESISTANT TO WEATHERING: YES
- RESISTANT TO DILUTE ACID AND ALKALI RESISTANT: YES
- SF SEALANT GROOVE: YES

CHANNELS
H300SK CHANNEL SHALL BE 300mm NOMINAL INTERNAL WIDTH WITH AN OVERALL WIDTH OF 360mm. CHANNELS SHALL HAVE AN OVERALL DEPTH OF 130mm FOR USE IN AREAS WITH DEPTH RESTRICTIONS. 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.