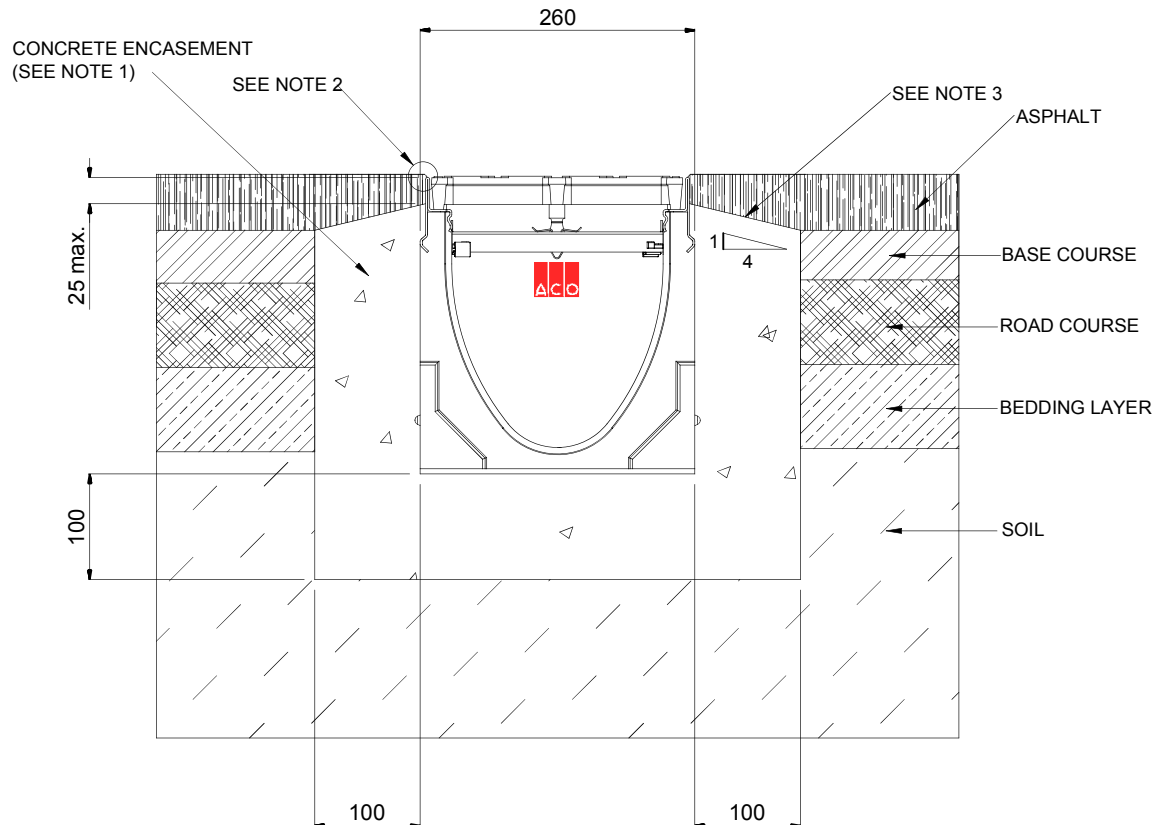




**NOTES:**

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 asphalt must be approximately 3mm above the top of the channel edge.
3. Haunch slopes away at a ratio of 1:4 or approximately 15°.
4. For further details, refer to ACO's design & site installation files at [www.acodrain.com/resources](http://www.acodrain.com/resources).

**SPECIFICATION CLAUSE  
KLASSIKDRAIN K200 - LOAD CLASS A-B**

**GENERAL**

THE SURFACE DRAINAGE SYSTEM SHALL BE ACO'S KLASSIKDRAIN K200 POLYMER CONCRETE V-PROFILE CHANNEL SYSTEM WITH GALVANISED STEEL EDGE RAILS AS MANUFACTURED BY ACO.

**MATERIALS**

K200 CHANNELS SHALL BE MANUFACTURED FROM POLYESTER RESIN POLYMER CONCRETE WITH AN INTEGRALLY CAST-IN GALVANISED 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:                     | 0.07%                                  |
| FROST PROOF:                          | YES                                    |
| COEFFICIENT OF EXPANSION/CONTRACTION: | $2.02 \times 10^{-5}/^{\circ}\text{C}$ |
| WATER VAPOUR TRANSMISSION:            | 0.0364g/m <sup>2</sup>                 |
| 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**

K200 CHANNEL SHALL BE 200mm NOMINAL INTERNAL WIDTH WITH AN OVERALL WIDTH OF 260mm. CHANNEL INVERT SHALL HAVE A V-PROFILE TO ALLOW EFFICIENT DRAINAGE. K200 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](http://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.

K2-AB-A1



DATE: 03/14

**K200 - KLASSIKDRAIN - LOAD CLASS: A-B  
FOR ASPHALT**

**INSTALLATION DRAWING - ACO DRAIN**

ACO Limited  
New Zealand  
Ph: 0800 448 080  
[www.askaco.nz/aco-drain](http://www.askaco.nz/aco-drain)

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