



**SPECIFICATION CLAUSE**  
**K200 KLASSIKDRAIN W/HEEL RESISTANT BRICKSLOT 200 - LOAD CLASS A**

**GENERAL**  
 THE SURFACE DRAINAGE SYSTEM SHALL BE POLYMER CONCRETE K200 CHANNEL SYSTEM WITH GALVANIZED STEEL EDGE RAILS AND HEEL RESISTANT BRICKSLOT 200 AS MANUFACTURED BY ACO POLYMER PRODUCTS, INC.

**MATERIALS**  
 CHANNELS SHALL BE MANUFACTURED FROM POLYESTER RESIN POLYMER CONCRETE WITH AN INTEGRALLY CAST-IN GALVANIZED STEEL EDGE RAIL. MINIMUM PROPERTIES OF POLYMER CONCRETE WILL BE AS FOLLOWS:  
 COMPRESSIVE STRENGTH: 14,000 PSI  
 FLEXURAL STRENGTH: 4,000 PSI  
 TENSILE STRENGTH: 1,500 PSI  
 WATER ABSORPTION: 0.07%  
 FROST PROOF YES  
 DILUTE ACID AND ALKALI RESISTANT YES  
 B117 SALT SPRAY TEST COMPLIANT YES

THE SYSTEM SHALL BE 8" (100mm) NOMINAL INTERNAL WIDTH WITH A 10.2" (260mm) OVERALL WIDTH. ALL CHANNELS SHALL BE INTERLOCKING WITH A MALE/FEMALE JOINT.

THE COMPLETE DRAINAGE SYSTEM SHALL BE BY ACO POLYMER PRODUCTS, INC. ANY DEVIATION OR PARTIAL SYSTEM DESIGN AND/OR IMPROPER INSTALLATION WILL VOID ANY AND ALL WARRANTIES PROVIDED BY ACO POLYMER PRODUCTS, INC.

CHANNEL SHALL WITHSTAND LOADING TO PROPER LOAD CLASS AS OUTLINED BY EN 1433. HEEL RESISTANT BRICKSLOT 200 SHALL BE APPROPRIATE TO MEET THE SYSTEM LOAD CLASS SPECIFIED AND INTENDED APPLICATION. CHANNEL AND BRICKSLOT SHALL BE CERTIFIED TO MEET THE SPECIFIED EN 1433 LOAD CLASS. THE SYSTEM SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS AND RECOMMENDATIONS.

THE HEEL RESISTANT BRICKSLOT 200 GRATING SYSTEM SHALL HAVE AN OVERALL INTERNAL WIDTH OF 0.88" (22.35mm) WITH TWO 0.31" (8mm) SLOT OPENINGS AND WITH A 0.25" (6.35mm) TAPERED BAR BETWEEN THE TWO OPENINGS TO PREVENT DEBRIS FROM BEING TRAPPED. THE BRICKSLOT GRATING SYSTEM ADDS 3.27" (83mm) TO THE OVERALL HEIGHT OF THE K200 SYSTEM

- NOTES:**
1. IT IS NECESSARY TO ENSURE MINIMUM DIMENSIONS SHOWN ARE SUITABLE FOR EXISTING GROUND CONDITIONS. *ENGINEERING ADVICE MAY BE REQUIRED.*
  2. MINIMUM CONCRETE STRENGTH OF 4,000 PSI IS RECOMMENDED. CONCRETE SHOULD BE VIBRATED TO ELIMINATE AIR POCKETS.
  3. EXPANSION AND CONTRACTION CONTROL JOINTS AND REINFORCEMENT ARE RECOMMENDED TO PROTECT CHANNEL AND CONCRETE SURROUND. *ENGINEERING ADVICE MAY BE REQUIRED.*
  4. THE FINISHED LEVEL OF THE CONCRETE SURROUND MUST BE APPROX. 1/8" [3mm] ABOVE THE TOP OF THE CHANNEL EDGE.
  5. CONCRETE BASE THICKNESS SHOULD MATCH SLAB THICKNESS. *ENGINEERING ADVICE MAY BE REQUIRED TO DETERMINE PROPER LOAD CLASS.*
  6. REFER TO ACO'S LATEST INSTALLATION INSTRUCTIONS FOR FURTHER DETAILS.

BS2K2-A-ECP	K200 - KLASSIKDRAIN W/HEEL RESISTANT BRICKSLOT 200- LOAD CLASS: A	<b>ACO Polymer Products, Inc.</b>		
	Exposed Concrete Pavement	825 W. Beechcraft St Casa Grande, AZ 85122 Tel: 520-421-9988 Fax: 520-421-9899	9470 Pinecone Dr. Mentor, OH 44060 Tel: 440-639-7230 Fax: 440-639-7235	4211 Pleasant Rd. Fort Mill, SC 29708 Tel: 440-639-7230 Fax: 803-802-1063
DATE: 02/03/17	<b>INSTALLATION DRAWING - ACO DRAIN</b>			