



SPECIFICATION CLAUSE

H100K-8 SLABDRAIN W/BRICKSLOT 100 HEEL RESISTANT - LOAD CLASS A

GENERAL
 THE SURFACE DRAINAGE SYSTEM SHALL BE POLYMER CONCRETE H100K-8 CHANNEL SYSTEM WITH GALVANIZED STEEL EDGE RAILS AND BRICKSLOT 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 4" (100mm) NOMINAL INTERNAL WIDTH WITH A 5.1" (130mm) 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. BRICKSLOT 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 BRICKSLOT 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 H100K-8 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.

BS1HH1K8-A-HPP	H100K-8 W/BRICKSLOT 100 HEEL RESISTANT - LOAD CLASS: A	ACO Polymer Products, Inc.		
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DATE: 01/24/17	INSTALLATION DRAWING - ACO DRAIN			