

ACO DRAIN

SlabDrain - H300SK-13 iron edged channel system with slotted grate



ACO Specification Information

Description	Part No.	Invert Depth		Weight lbs.
		inches	mm	
H300SK-13 - Polyester polymer concrete H300SK-13 Neutral channel - 39.37" (1m)	93466	4.00	100	186.2
H300SK-13 closing end cap	93470	4.00	100	1.4

Notes:

1. Add nominal 1.18" (30mm) to invert depth for overall channel depth
2. Preformed Sch. 40 6" & 8" dia. drill-out cast on underside of each channel
3. Use QuickLok/PowerLok grate removal tool to remove grates (Part # 01318)

Specifications

General

The surface drainage system shall be ACO Drain SlabDrain H300SK-13 complete with slotted gratings secured with 'PowerLok' locking as manufactured by ACO Polymer Products, Inc. or equal approved.

Materials

The trench system bodies shall be manufactured from polyester polymer concrete with minimum properties as follows:

- Compressive strength: 14,000 psi
- Flexural strength: 4,000 psi
- Water absorption 0.07%
- Frost proof
- Salt proof
- Dilute acid and alkali resistant

The nominal clear opening shall be 11.81" (300mm) with overall width of 14.17" (360mm). Pre-cast units shall be manufactured with neutral invert and have a wall thickness of at least 0.5" (13mm). Each unit will feature a male to female interconnecting end profile. Units shall have horizontal cast in anchoring features on the outside wall to ensure maximum mechanical bond to the surrounding bedding material and pavement surface. The ductile iron edge rail will be integrally cast in by the manufacturer to ensure maximum homogeneity between polymer concrete body and edge rail. Each edge rail shall be at least 1/4" (6mm) thick.

Grates

Slotted ductile iron shall be independently certified to meet Load Class F to EN 1433 - 200,000 lbs or able to withstand 4,182 psi. After removal of grates there shall be uninterrupted access to the trench to aid maintenance.

Installation

The trench drain system shall be installed in accordance with the manufacturer's installation instructions and recommendations.

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