

CCIS WND15

CCIS 400 Series

CCIS 400 Series performs a multi-faceted role by providing protection for waterproofing systems and managing subsurface water around building foundations. Soil back fill is retained by a filter fabric while allowing water to pass into the drainage core providing hydrostatic relief. Collected water is then conveyed to a proper collection system.

Consists of a impermeable polypropylene sheet cusped under heat and pressure to form a high flow dimpled drainage core. The core is then bonded to a layer of nonwoven filter fabric. The filter fabric retains soil or sand particles as well as freshly placed concrete or grout, allowing filtered water to pass into the drainage core.

CCIS 400 / 420*

Maintains a very high flow rate while providing a higher compressive strength for greater depths. A very popular choice for vertical and horizontal single sided drainage applications. Moderate duty.

* 420 comes with the addition of a membrane protective film on the back side.

APPLICATIONS

- FOUNDATION WALLS
- RETAINING WALLS
- PLANTERS
- UNDER SLABS
- BRIDGE ABUTMENTS

Please call you local CCIS Geosynthetic Specialist for all your geosynthetic needs.

Spruce Grove, Alberta
(780) 962-6559

Clairmont, Alberta
(587) 771-0990

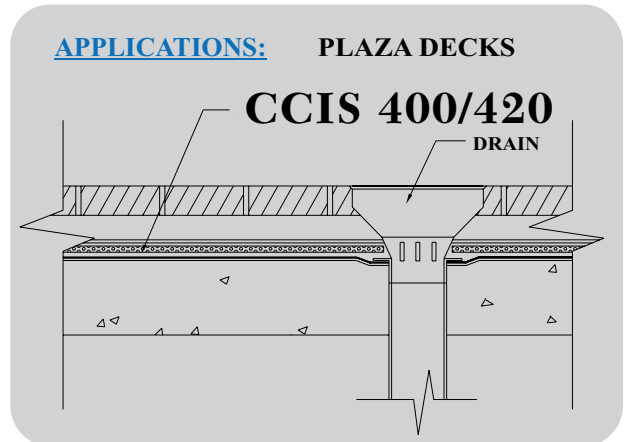
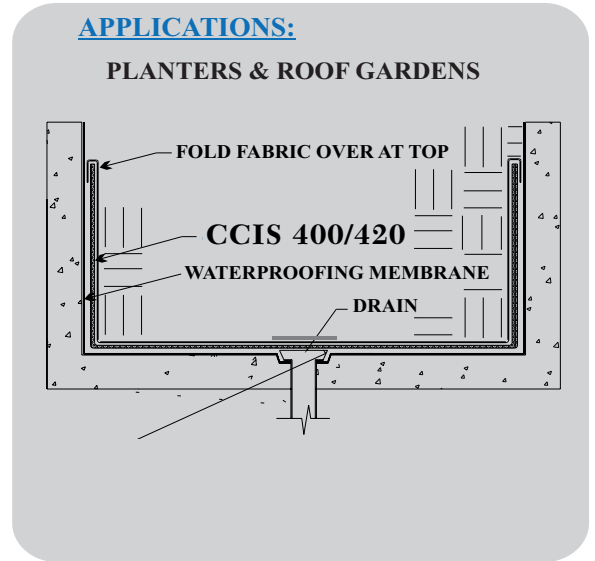
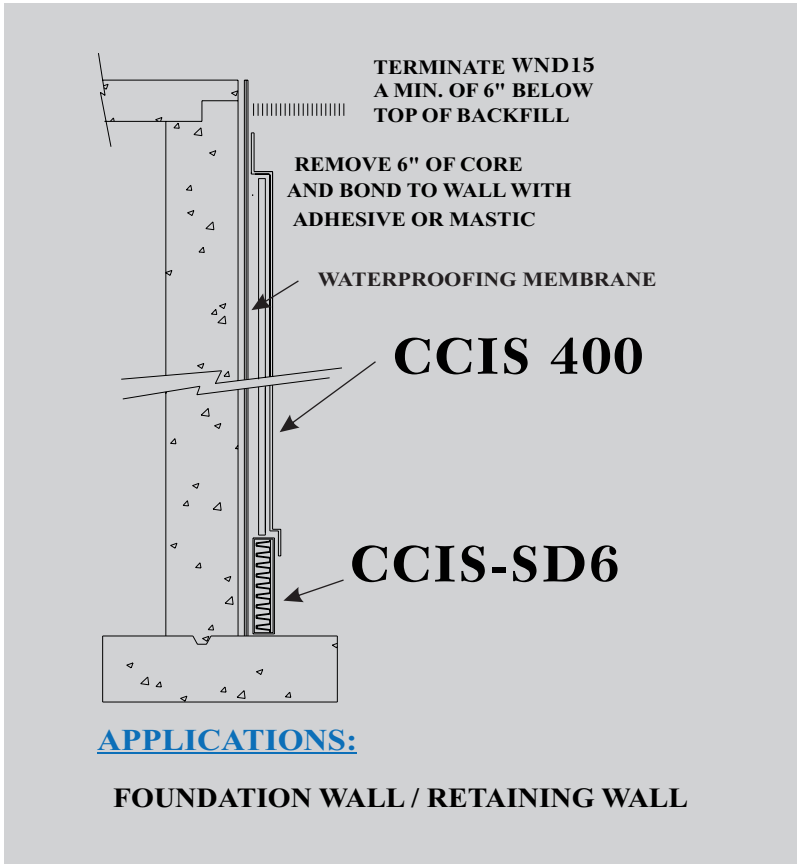
Fort St. John, BC
(778) 844-0299

Terrace, BC
(250) 922-4018

Prince George, BC
(587) 357-4328

Kamloops, BC
(604) 860-5473

Applications and Properties



Physical Properties

Core

	400/420
Compressive Strength (ASTM D-1621)	15,000 psf (718 kNm ²)
Thickness (ASTM D-1777)	.40 in. (10.16 mm)
Flow (Hydraulic gradient =1) (ASTM D-4716)	21 g/min/ft (260 L/min/m)

Roll Length	Roll Width	Roll Weight	
		400	420
50 ft (15.24 m)	4 ft (1.22 m)	39	40.5
	6.5 ft (1.98 m)	63	65.5
	8 ft (2.44 m)	78	80

Fabric

	400/420
Flow (ASTM D-4491)	140 gal/min/ft ² (5704 L/min/m ²)
CBR Puncture (ASTM D-6241)	250 lbs. (1.113 kN)
AOS (EOS)	70 U.S. Sieve (.212 mm)
Grab Tensile (ASTM D-4632)	100 lbs. (.45 kN)

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