

CORETEX™

APC WATERPROOFING GEOTEXTILE

DESCRIPTION

CORETEX is a unique low permeable, hydrophilic waterproofing product that utilizes an Active Polymer Core (APC) technology that is less permeable and more chemically resistant than traditional active waterproofing membranes.

CORETEX works by forming a low permeable membrane upon contact with water. When hydrated, unconfined CORETEX can swell many times its dry volume. When confined under pressure from backfill or concrete, the swell is controlled, forming a dense, impervious waterproofing material. The swelling action of the CORETEX can self-seal small punctures and cuts in the product resulting from installation activity.

CORETEX weighs less than half that of other membranes allowing quick and easy installation. CORETEX contains zero VOC, can be installed in almost any weather condition to green concrete.

APPLICATIONS

CORETEX is designed primarily for use as a detailing product for COREFLEX, ULTRASEAL and Voltex waterproofing membrane system applications. It is also used in conjunction with conventional thermoplastic sheet waterproofing membranes to provide a means of self-sealing in the event that the thermoplastic waterproofing membrane is punctured or otherwise compromised. Typical applications include tunnels, under slabs, plaza decks, backfilled walls, and propertyline construction.

INSTALLATION

General: Concrete surfaces should be clean and properly prepared to receive waterproofing. Install CORETEX per detail requirements with all adjacent roll edges overlapped a minimum 4" (100 mm). With Ultraseal and Voltex system applications, CORETEX is typically secured into place with washer-head mechanical fasteners maximum 24" (600mm) on center. When used in conjunction with the COREFLEX thermoplastic membrane waterproofing, CORETEX is typically secured with CETSEAL or other CETCO approved adhesive.

PACKAGING

CORETEX is available in 4' X 25' rolls (1.2 m x 7.6 m).

LIMITATIONS

CORETEX is a detailing product used in conjunction with a primary waterproofing material course. CORETEX is not intended to be used as a primary waterproofing course.

TYPICAL PROPERTIES		
PROPERTY	TEST STANDARD	TYPICAL VALUE
Permeability	ASTM D5887	(mod) 1×10^{-10} cm/s
Thickness		80 mils
Roll width		4 ft (1.2 m)
Roll length		25 ft (7.6 m)

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