

VOLCLAY VOLTEX

Bentonite Geotextile Waterproofing System

DESCRIPTION

Voltex is a highly effective waterproofing composite of high strength geotextiles and 1.1 pounds of sodium bentonite per square foot. The high-swelling, low permeable sodium bentonite is encapsulated between a non-woven and woven geotextile. A patented needle-punch process interlocks the geotextiles together forming an extremely strong composite that maintains the equal coverage of bentonite, as well as, protects it from inclement weather and construction related damage. Once backfilled, Voltex hydrates and forms a monolithic waterproofing membrane. Voltex contains zero VOC, can be installed in almost any weather condition to green concrete, and most importantly, has proven effective on both new and remedial waterproofing projects worldwide. The swelling action of Volclay can self-seal small concrete cracks caused by ground settlement, concrete shrinkage, or seismic action, problems over which there is normally no control. Voltex forms a strong mechanical bond to concrete when the geotextile fibers are encapsulated into the surface of poured-in-place concrete.

INSTALLATION

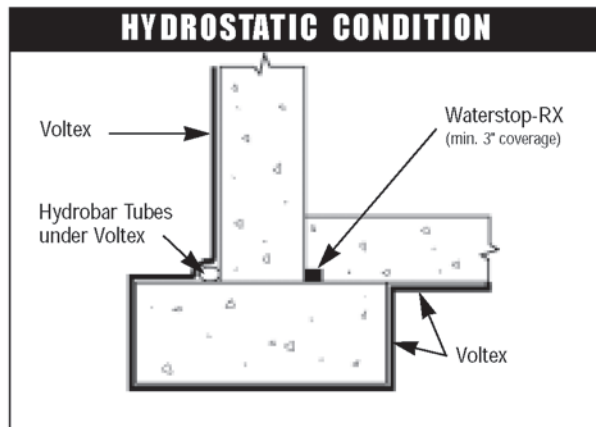
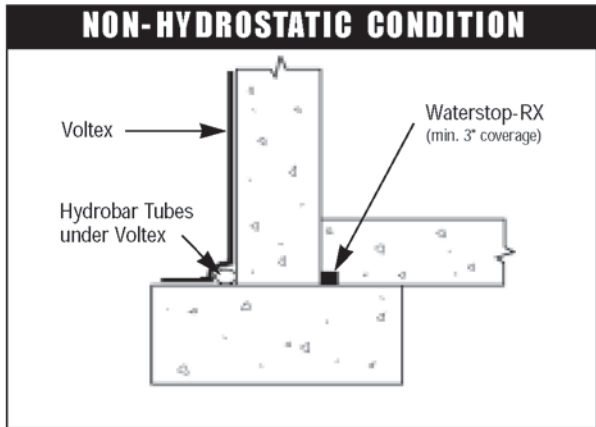
Install Voltex with the dark gray (woven) geotextile toward the concrete to be waterproofed. Install Waterstop-RX in all applicable horizontal and vertical concrete construction joints.

APPLICATIONS

Voltex is designed for below-grade vertical and horizontal structural foundation surfaces. Typical applications include backfilled concrete walls, earth-covered roofs, structural slabs, tunnels, and property line construction. Property line construction applications include soldier pile and lagging, metal sheet piling, shotcrete and stabilized earth retention walls. Applications may include structures under continuous or intermittent hydrostatic pressure.

SIZE AND PACKAGING
Voltex is available in 4' x 15' (1.2 x 4.5m) rolls. Each roll weighs approximately 85 lbs. (38.6 Kg)

VOLCLAY VOLTEX WATERPROOFING GENERAL APPLICATION DETAILS



WATERPROOFING