

VOLCLAY WATERSTOPPAGE

Granular Sodium Bentonite

DESCRIPTION

Volclay Waterstoppage is chemically treated, granular sodium bentonite used as a detailing accessory product for Volclay Waterproofing Systems. When wetted, Waterstoppage forms into a dense, low permeable material that combines with the sodium bentonite in the Volclay System products to form a seamless waterproofing membrane.

INSTALLATION

Remove dirt and other debris from area to receive Waterstoppage. Cut a corner of the bag for easy, directional control of product placement. Place as required around penetrations, footings, and other details. **Limitations:** Waterstoppage should not be applied in standing water or during precipitation. Waterstoppage is intended for below-grade waterproofing applications. Product requires proper confinement.

APPLICATIONS

Volclay Waterstoppage is used to fill cavities and voids in the substrate prior to installing the main bentonite waterproofing course. It is also used to seal around slab penetrations to form a continuous waterproofing system. A fillet of Waterstoppage can be poured at the footing/wall junction to provide additional waterproofing protection. A 1/8" thick layer of Waterstoppage is also applied to the top of tunnels and earth-covered roofs prior to the main Volclay waterproofing material course.

PACKAGING & COVERAGE
Volclay Waterstoppage is packaged in 50 lb. bags; 40 bags per pallet. One bag equals approximately 0.83 cubic feet.

VOLCLAY BENTOSEAL

Trowel-Grade Sodium Bentonite Sealant

DESCRIPTION

Volclay Bentoseal is trowel-grade, sodium bentonite/butyl rubber based sealant designed for a variety of surface preparation and waterproof detailing work with Volclay Panels, Swelltite, and Voltex waterproofing membranes. Being bentonite based, Bentoseal swells upon contact with water to seal against water intrusion. With the consistency of thick grease, Bentoseal is easy to apply and bonds to most substrate materials.

INSTALLATION

Apply Bentoseal at a 1/4" (6mm) thickness unless otherwise noted on details or as directed by manufacturer. Bentoseal may be applied where ambient and surface temperatures are 25°F (-4°C) or above. All surfaces to receive Bentoseal should be free of contaminants. Bentoseal can be applied to concrete surfaces as soon as the forms are removed. Around penetrations, application should fill space between Volclay waterproofing membrane and the penetration. Fillet shall be a minimum 3/4" (18mm) thick and be continuous around the penetration. Extend Bentoseal onto penetration 1 1/2" (36mm) at a 3/16" (5mm) thickness. With a hydrostatic head of 33' (10m) or greater, double all of the above application rates.

APPLICATIONS

Bentoseal is an below-grade waterproofing accessory product designed for the following uses:

- Fillet material at horizontal and vertical inside corners
- Flashing material around drains, mechanical and electrical penetrations, curbs and parapets
- Sealing material at waterproofing terminations
- Repair material for small concrete substrate surface defects prior to waterproofing membrane installation
- Trowel-grade waterproofing for extremely irregular substrate surfaces.

PACKAGING	
Bentoseal is available in 3 gallon pails Each pail weighs 36 lbs.	
APPROXIMATE COVERAGE RATE GUIDE	
USAGE	TYPICAL COVERAGE
3/4" inside corner fillet	27 lin. ft./gallon
As a 90 mil thick flashing material	15 sq. ft./gallon
3/4" inside corner fillet with 6", 90 mil thick extensions	9.5 lin. ft./gallon

WATERPROOFING