CETCO
COLLOID ENVIRONMENTAL TECHNOLOGIES COMPANY

TECH DATA

BENTOSEAL®

TROWEL GRADE SODIUM BENTONITE SEALANT

DESCRIPTION

Bentoseal® is trowel-grade, sealant designed for surface preparation and waterproofing detailing work with Voltex®, Swelltite® and Volclay Panels®. Formulated with sodium bentonite, highly refined oils and tackifying agents Bentoseal has many advantageous attributes. It is easy to apply having the consistency of a grease, can be applied from subzero to >45°C and adheres to most materials. The bentonite swells upon contact with water, plugging voids thus providing a seal against water intrusion. The very high flash point, >175°C, results in Bentoseal not only being safe to work with and transport but in having very little odour associated with it.

APPLICATIONS

Bentoseal is a below-ground 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.

Bentoseal is formulated for use on structural concrete, masonry and most metal surfaces. Use in applications with proper confinement only.

Backfill soils should be compacted to at least an 85% Modified Proctor density. Bentoseal is not an expansion joint sealant.

INSTALLATION

Apply Bentoseal at a 5 mm thickness unless otherwise noted on details or as directed by manufacturer. Bentoseal may be applied where ambient and surface temperatures are –4°C or above. Store between 4°C and 30°C before application.

All surfaces to receive Bentoseal should be dry and free of dirt, dust, grease, rust, oil, curing agents or other contaminants. Bentoseal can be applied to structural concrete surfaces as soon as the forms are removed. Apply just prior to waterproofing membrane installation. Bentoseal should not be left exposed for prolonged period prior to concrete or backfill placement.

Bentoseal should be applied as 40 mm X 40 mm fillets at internal corner transitions (when post-applying Volclay membranes to cast concrete), and around membrane penetration details. For termination laps with sheet and brush applied membranes Bentoseal is generally applied as a 5 mm X 50 mm fillet, central in 150 mm laps.

APPROXIMATE COVERAGE RATE GUIDE

USAGE	TYPICAL COVERAGE
40 X 40 mm inside corner & penetration fillet	15 m/tub
5 mm X 50 mm termination lap fillet	50 m/tub

SIZE & PACKAGING

Bentoseal is available in 14.25 litre tubs. Each tub weighs 18 kg.

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