

MIRADRAIN 9000 TDS

MiraDRAIN 9000 is a high-performance drainage composite for use in horizontal plaza, roof deck and between-slab drainage applications.

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REGION

United States

ENGLISH

English Preview

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WATERPROOFING

MiraDRAIN 9000

Description

CCW MiraDRAIN 9000 is a high-performance, high-strength drainage composite consisting of a three-dimensional, high-impact polypropylene core and a woven filter fabric. The filter fabric is bonded to the individual dimples of the molded polypropylene core to minimize fabric intrusion into the flow channels caused by overburden pressure. The fabric serves as a filter medium to prevent the passage of particles into the core, while allowing surface moisture to pass freely. CCW MiraDRAIN 9000's woven, monofilament fabric withstands high abrasion from applied overburden and prevents intrusion into the drainage core due to its low elongation characteristics. The woven fabric is better suited to receive a directly poured concrete topping than nonwoven geotextile fabrics.

CCW MiraDRAIN 9000 is designed for use in horizontal plaza, roof deck and between-slab drainage applications where single-sided subsurface drainage is required. CCW MiraDRAIN 9000 also serves as a protection course when used in conjunction with CCW Waterproofing Membranes.

Features and Benefits

- Relieves hydrostatic pressure buildup
- Consistent and proven long-term performance due to a multi-directional core configuration providing a uniform flow path for water to escape
- High-flow drainage capacity ensuring effective drainage for virtually any horizontal application
- No-clogging drainage performance
- High-compressive-strength system withstands overburden stresses
- Enhances waterproofing system by channeling water away and providing a secondary water retention layer
- Cost-saving, lightweight, easy-to-install panels eliminate the need for bringing aggregate to the construction site

Installation

CCW MiraDRAIN prefabricated drainage panels may be installed in a variety of construction applications. They may be installed in split slabs, plaza decks and planter applications. CCW MiraDRAIN can be cut with a utility knife or scissors. Concrete may be placed directly

onto either side of the panels. The panels can terminate at the top of the footing and are flexible enough to form right angles to cover the top of the footing. CCW MiraDRAIN eliminates the need for a protection course over waterproofing systems. Native soils can be used over CCW MiraDRAIN. (Contact your local CCW representative for specific guidelines). The CCW MiraDRAIN should be attached with CCW CAV-GRIP, CCW Contact Adhesive or SecurTAPE™. Apply CCW CAV-GRIP or CCW Contact Adhesive over entire surface of waterproofing membrane and back side of MiraDRAIN and mate the two surfaces together.

For standard installation details, follow the CCW MiraDRAIN detail drawings. For non-standard installation instructions contact your local Carlisle Coatings & Waterproofing representative.

Underslab / Horizontal Applications

Floor Slabs and Concrete-Lined Channels

Proper preparation of the subgrade will require grading to a 2% minimum slope. The area of installation should be clear of rubble, rock, large soil clods, etc. Place CCW MiraDRAIN with the fabric side toward the soil. The flange of the second and subsequent panels should be placed over the back side of the preceding dimpled core and butted as close as possible to the preceding panel. The panel joints, longitudinal and transverse on the CCW MiraDRAIN core, should be sealed with a strip of CCW-705, CCW-701 or duct tape. This will aid in preventing concrete or soil from intruding into the CCW MiraDRAIN core during subsequent construction phases. Construction traffic should be minimized over the installed CCW MiraDRAIN. Sand and/or concrete may be poured directly over the CCW MiraDRAIN core.

Planters

Place the CCW MiraDRAIN in the planter so that the fabric on the vertical and horizontal surfaces faces the soil. Utilize the installation procedures and attachment method appropriate for the type of substrate. Overlap the fabric of the vertical panel onto the horizontal panel at the transition point. If cutting of the panels is required, exposed cuts must be covered with supplemental pieces of filter fabric to prevent soil intrusion. A minimum overlap of 6" (15 cm) will be required to cover cut sections.

Carlisle Coatings & Waterproofing

900 Hensley Lane | Wylie, TX 75098 | 800.527.7092 | www.carlisleccw.com

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CONTACT CCW

900 Hensley Lane | Wylie, TX 75098

Toll Free: (800) 527-7092

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