



Installation Guidelines

TriDent Dimple Drain

High Performance Dimpled Composite Drain

Installation for Roof Deck Tape Application

This document is to establish installation instructions for installing TriDent series of dimpled composite drains. Jobsite modification may be required. When these situations occur on a project, please consult the local Keene Building Sales Representative or Divisional Manager for assistance.

Important Notice

This document is provided for guidance only, it is not intended to cover all local code variations.

- Read these installation instructions completely from beginning to end.

Storage

Store indoors or cover to protect materials from exposure to direct sunlight.

Installation

Vertical Application:

- Prior to installation, fluid applied membranes must be fully cured. The insulation and/or protection course is installed prior to the TriDent DD. TriDent is then installed over the protection course prior to the backfill.
- It is to be installed with the filter fabric facing the backfill and the core facing the foundation wall, with seams running either horizontally or vertically over the waterproofing systems. Make sure the fabric overlaps the adjacent drainage sheet, creating a shiplap-like form, in order for no soil to clog the core, which would reduce water flow through obstructing the channels.
- Finally, TriDent is to be adhered at the waterproofing termination via a Keene approved termination bar, such as one manufactured by Barrett roofs, or with a Keene approved adhesive, either of a tape variety or a spray on.
- For a tape variety, Keene recommends using Peel 100, and if using a spray-on variety, we recommend 3-M Hold Fast. If performing residential construction, I would advise one of the two adhesives. The only time I would not recommend the 3-M Hold Fast is if there is an insulation layer it is being placed on top of, due to possible corrosive reactions. For commercial applications it is almost always going to be applied with a termination bar.

Horizontal Application:

- When installing in horizontal applications, fluid applied membranes must be used for the waterproofing layer below TriDent DD, as sheet membranes are inefficient at draining water this way. This is ESPECIALLY true if installed on a Plaza Deck.
- Before installation, make sure that the fluid applied membrane is fully cured prior to the installation of TriDent DD.
- Typically, TriDent DD may be installed either on top of or in place of a protection course.
- However, if installing onto a hot rubberized asphalt membrane, TriDent will require a protection course preceding it.
- When making the transition from one roll to the next, make sure the fabric overlaps with the fabric of the adjacent TriDent sheet so to eliminate the overburden from entering the core, which once again allows the drainage channels to be obstructed, reducing the desired water flow.
- Make sure to not overlap the core onto the fabric of the adjacent TriDent DD.
- After that you are done, as no form of adhesive is necessary in this application as gravity will perform that function.

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