



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 if being used in place of a sheet membrane. Typically, TriDent DD may be installed either on top of or in place of a protection course. If the project calls for a protection course and/or insulation to be installed, then TriDent DD would be installed on top of the protection course/insulation prior to the backfill. Keene recommends using TriDent DD instead of a protection course (TriDent DD will protect the waterproofing membrane already). If the contractor chooses this route, TriDent DD is to be installed directly on top of the waterproofing membrane prior to the backfill.
- It is to be installed with the filter fabric facing the backfill and the core being adhered to the waterproofing membrane (which is already adhered to 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 (leads to reduced water flow through obstructing the channels).
- Finally, TriDent DD 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 RamTack Spray Adhesive by ChemSafe. If performing residential construction, Keene advises using one of the two adhesives. The only time Keene would not recommend the RamTack Spray Adhesive by ChemSafe 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.
- Simply roll out each roll until its end, lift the fabric from the first three rows of dimples on the adjacent roll, interlock the two dimple cores, overlap the new roll with the overlap, and finally adhere the overlap to the adjacent roll's fabric.
- Make sure to not clog the drainage plane with the overlap when adhering it with the adjacent roll's fabric.
- After that you are done, as no form of adhesive is necessary in this application as gravity will perform that function.

LIMITED WARRANTY: Keene warrants its Products to be free of defects in materials, but makes no warranty as to appearance or color. Since methods of application and on-site conditions are beyond our control and can affect performance, Keene makes no other warranty, expressed or implied, including warranties of MERCHANTABILITY and FITNESS FOR A PARTICULAR PURPOSE, with respect to Keene Products. Keene to replace or to refund the purchase price of the quantity of Keene Product proven to be defective, and Keene shall not be liable for any loss or damage.



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