EASYHEAT®
Warming Your World

Warm Tiles®

DFT Installation Instructions Addendum for Uncoupling Membrane

CAUTION

- This instruction addendum is to be used only for installing the DFT cable within an uncoupling membrane (such as Ditra XL). It is to be used only in conjunction with the Installation Instructions for DFT cable sets. If you are not installing the DFT cable within the uncoupling membrane, then this addendum is unnecessary and you may proceed using instructions provided with the DFT Cable Set.
- The installation of the DFT cable in an uncoupling membrane is certified to Canadian standards only.
- Use only uncoupling membranes that are rated for 90°C or greater and are approved by the manufacturer for having heating cable installed within them. If you are unsure about the membrane's rated temperature or ability to accommodate heating cable, please consult with the membrane's manufacturer.
- DFT heating cable can be installed in the ridges only of uncoupling membranes that have been designed to be installed with some type of mortar or cement under and over the membrane.
- Use only uncoupling membranes that have been approved by the manufacturer for this application.

WARNING

IN ANY CIRCUMSTANCE, DO NOT CUT OR DAMAGE THE HEATING CABLE. EXTRA PRECAUTION WILL NEED TO BE APPLIED TO ENSURE THAT THE CABLE IS NOT CUT BY ANY SHARP EDGES OF THE UNCOUPLING MEMBRANE. HEATING CABLE MUST BE FULLY INSTALLED IN THE UNCOUPLING MEMBRANE IN THE MANNER DESCRIBED. FAILURE TO DO SO MAY RESULT IN THE FLOOR BEING UNEVEN OR OVERHEATING OF THE CABLE.

General

Uncoupling membranes are often used to prevent the formation of cracks in tile and stone floors. Generally, as an alternative to the installation instructions provided with the DFT heating cable, the heating cable may be installed within the ridges of an uncoupling membrane. If the uncoupling membrane does not already have premade ridges, ridges can be made by slitting them open and inserting the cable. Do not start cutting into the uncoupling membrane at this time. This eliminates the need to use the cable strapping provided with the cable sets. The uncoupling membrane must be installed with mortar securing it to the floor, and then the cables are inserted into the ridges. Then a layer of mortar is installed on the uncoupling membrane. Follow the instructions below carefully for this application.

Steps for Installing DFT Cable in Uncoupling Membrane

A) Follow instructions 1.1 and 1.2 of DFT Cable Set Installation Instructions.
B) Follow instruction in Section 2.0B below.
C) Follow instructions in Sections 2.1 and 2.2 for DFT Cable Set Installation Instructions.
D) Skip instructions in Section 2.3 of DFT Cable Set Installation Instructions and replace with instructions in Section 2.3B below and on page 2.
E) Follow instructions in Section 2.4 for DFT Cable Set Installation Instructions.
F) Skip instructions in Section 2.5 DFT Cable Set Installation Instructions and replace with instructions in Section 2.5B on page 2.
G) Follow instructions in Sections 2.6 through 4 for DFT Cable Set Installation Instructions.

2.0B Install Uncoupling Membrane

Follow the instructions provided by the manufacturer of the uncoupling membrane. Do not apply top layer of mortar over membrane at this time. Allow base layer of mortar to dry.

2.3B Prepare Uncoupling Membrane for Cable Insertion

Before installing the cable in the uncoupling membrane ridges, ensure that all surfaces on which the membrane will lie are free of any sharp edges, debris or other restrictions that may cut or otherwise damage the heating cable or membrane.

(2.3B Prepare Uncoupling Membrane for Cable Insertion continues on page 2)

©2016 EasyHeat

2.3B Prepare Uncoupling Membrane for Cable Insertion (continued)



Figure 1

Allow the mortar to dry. When the installation has dried, you can plan the cable routing. For membranes without premade ridges, it is highly recommended to draw with a black marker (or similar) the layout of the cable on the membrane before routing the cable as shown in Figure 1. When doing the layout, keep in mind the spacing of the cable passes: 76 mm (3 in) for Standard Spacing, and every 57 mm (2.25 in) for Alternating Spacing. If Standard Spacing or Alternating Spacing is not feasible, ensure that when you install the cable, you do not exceed 5 passes per foot, and that there is a minimum of 38 mm (1.5 in) spacing between cable runs. When you are drawing your layout, ensure that the cable is at a minimum of 25 mm (1 in) from the membrane edge.

Note: For membranes with premade ridges, the spacing of cables would be the same.

2.5B Lace Cable Through Uncoupling Membrane *(For cables with premade ridges skip to Step 4.)*



Figure 2

1. Cut carefully through the middle of the membrane's ridge where the cable is to be installed (see Figure 2).
2. The cable loop has to be within the membrane ridges. Cut a path inside the membrane ridge where the cable is going to loop.



Figure 3

3. Use a small screw driver (or similar) to pass through the cut section of the membrane ridge in order to ensure that they have been cut (see Figure 3).



Figure 4

4. Proceed with cable installation by premade or cut ridges and following the layout outlined on the floor earlier, spaced at appropriate intervals as mentioned in 2.3B. Do not use staples of any type within 51 mm (2 in) of the cables. Ensure that the cable is properly set inside the membrane (for a leveled floor, the cable cannot come outside of the membrane). The cable must be set so that the surface of the membrane stays even (i.e. no cable is popping out of the membrane).



Figure 5

5. You may have to apply pressure to ensure that the cable is properly set in the membrane and doesn't come out of it (see Figure 5).
6. Ensure that the cable is well placed inside the membrane ridges so that the cable does not pop out.
7. If any adjustment in the cable spacing is required, carefully pull out heating cable from the ridges and reposition. You may need to cut along a new membrane ridge in order to reroute the cable in the membrane.