



OUELLET



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DELTA-THERM  
CORPORATION



Global Commander

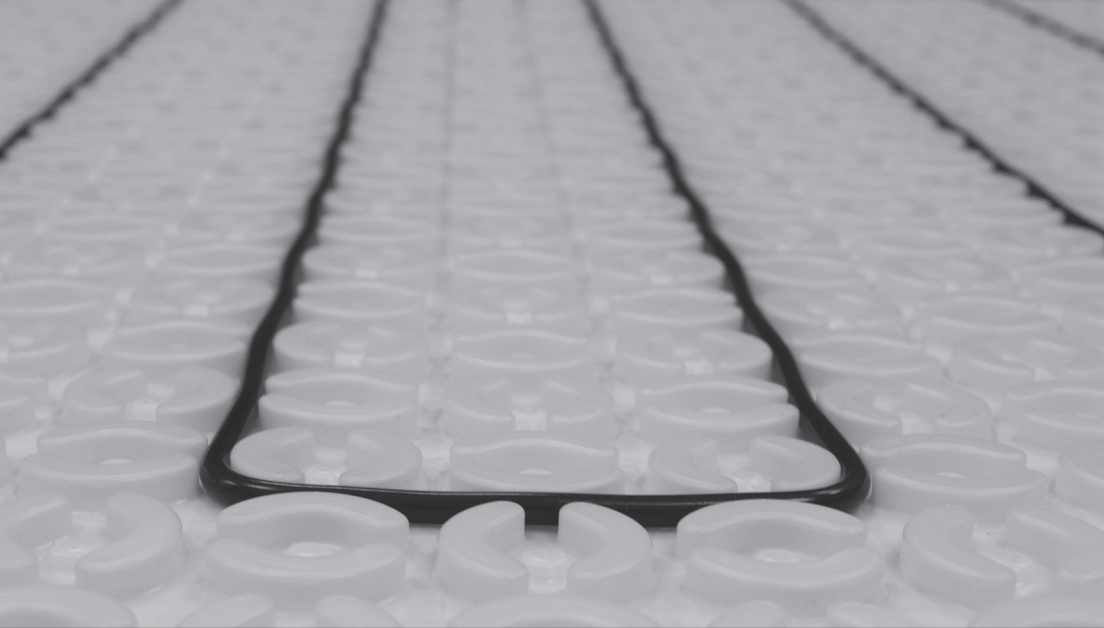


Memento

# NADCM-M INSTALLATION MANUAL

Uncoupling Fleeceback Membrane  
For Floor Heating Systems

INS-NADCM-M-202205-00



**IMPORTANT:** Read this manual before installing the membrane



# Table of contents

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1	Installation Guide .....	3
2	Prepare the Subfloor .....	5
3	Install the Floor Covering .....	6
4	Technical Specifications .....	7
5	Warranty .....	7



**CAUTION!**

*Your floor heating system has been designed for quick and straightforward installation, but as with any electrical system, certain procedures must be carefully followed. Make sure you have the appropriate heating system for the type of surface you wish to heat.*

**Customer service**

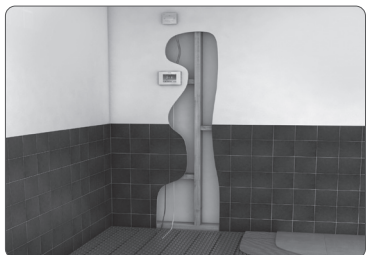
If you have any questions about this product, please contact our technical support team:

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# 1 Installation Guide

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**IMPORTANT :** Please read all instructions in this manual.



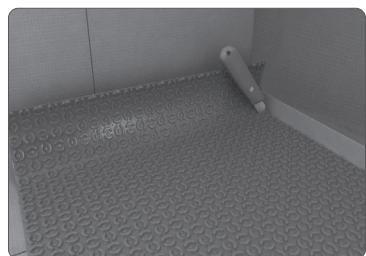
- 1 Gather everything you need for installation.



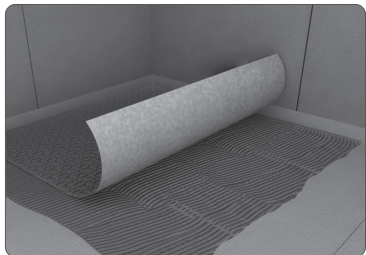
- 2 Make sure the subfloor is smooth, dry, clean and free of dust. Using a standard SBR-type primer is recommended after cleaning and drying the subfloor.



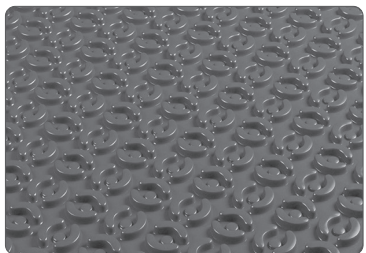
- 3 It is strongly advised to use a sealer before installing the membrane.



- 4 Be sure to leave about 1/4" of space between the membrane and the walls of the room. Measure and cut the membrane to the right length for the room with a retractable utility knife or scissors.



- 5 Apply a thinset layer to the substrate using a 1/4" x 1/4" square notch trowel. Position the membrane, fleece side down into the thinset. Embed the membrane into the thinset using a float/roller removing any air pockets.



- 6 Repeat steps 4 and 5 until the whole floor is covered. Ensure the membrane castellations are aligned. It is recommended to leave spacing of 1 to 3 mm (approximately 1/16") between the edges of the membrane to prevent buckling if there is any movement or misalignment during installation. Avoid walking on the membrane as much as possible to prevent damage to the system.



- 7 Demarcate the floor to mark the boundaries of fixed elements that cannot be heated.

## 2 Prepare the Subfloor

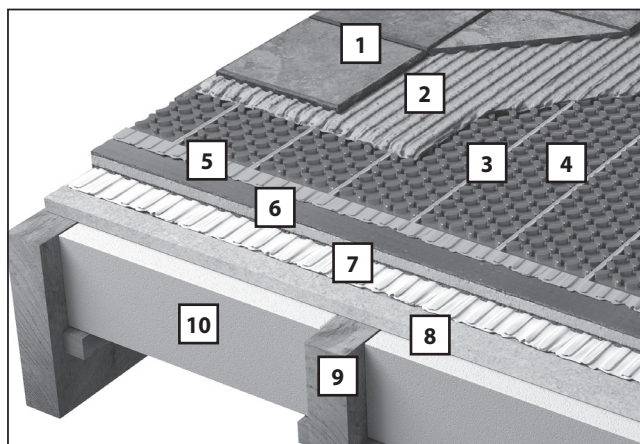
To install the membrane on an existing slab without floor covering (not a new building), make sure the subfloor is smooth, dry and free of dust. If there is an existing floor covering, prepare it based on the type of covering or remove it. In either case, ensure you have a smooth, dry and dust-free surface before installing the membrane.

**Warning:** In order to ensure a sufficient and safe subfloor thickness, please refer to TCNA Standards or a tile professional.

Examples of situations where work is needed before installing the membrane:

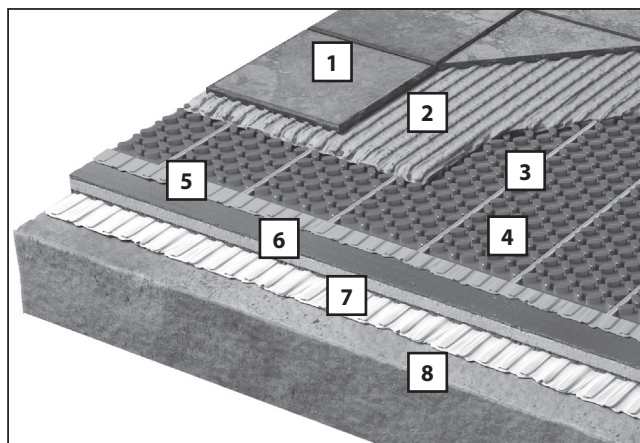
- Plywood damaged or has missing pieces of laminate;
- Concrete with rough patches or cracks.

### Wood subfloor



- 1 Floor finish
- 2 1/4" Minimum thinset or 3/8" levelling compound
- 3 Heating cable
- 4 Fleeceback membrane
- 5 Thinset layer applied with 1/4" x 1/4" square notch trowel
- 6 Insulation board (optional)
- 7 1/4" minimum thinset\*
- 8 Floor deck
- 9 Joists
- 10 Insulation

### Concrete subfloor

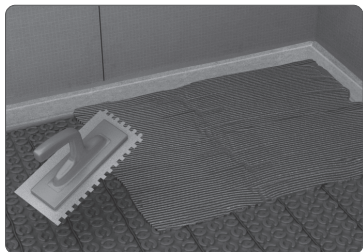


- 1 Floor finish
- 2 1/4" minimum thinset or 3/8" levelling compound
- 3 Heating cable
- 4 Fleeceback membrane
- 5 Thinset layer applied with 1/4" x 1/4" square notch trowel
- 6 Insulation board (optional)
- 7 1/4" Minimum thinset\*
- 8 Subfloor

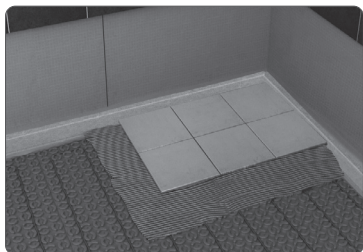
\* Only required if the insulation panel in the previous step is installed.

### 3 Install the Floor Covering

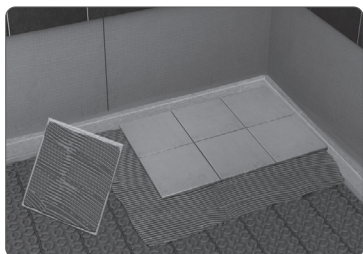
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- 1 Using a notched trowel, spread a layer of flexible tile adhesive over the installed membrane. Take care to avoid pulling the cable out of the membrane. If using tiles smaller than 6" by 6", we recommend to cover the installation with 1/2" of leveling compound first.



- 2 Lay the tiles and make sure you have good contact between the adhesive and the membrane. Back-butter the tiles if necessary. When laying the ceramic, ensure the ceramic joints do not lie opposite one of the membrane joints. The two joints must always be offset.



- 3 To check the contact with the membrane, lift the first tile to see if it has a good covering of mortar.



- 4 Do not turn on the floor heating until after the drying time recommended by the adhesive manufacturer. This is usually about 28 days. To find out the exact waiting time, please refer to the manufacturer's instructions for the tile adhesive used.



# 4 Technical Specifications

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NADCM-M Membrane	
Thickness	6.35 mm (1/4")
Composition	Polypropylene membrane with fleece backing
Color	Yellow

# 5 Warranty

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If you find damage or defects, please refer to the cable manufacturer's warranty. Please note that no warranty applies if the subfloor was not properly prepared beforehand according to the type and condition of the subfloor, or if the proper installation steps were not followed.

## Notes