

# Insulated Underlay

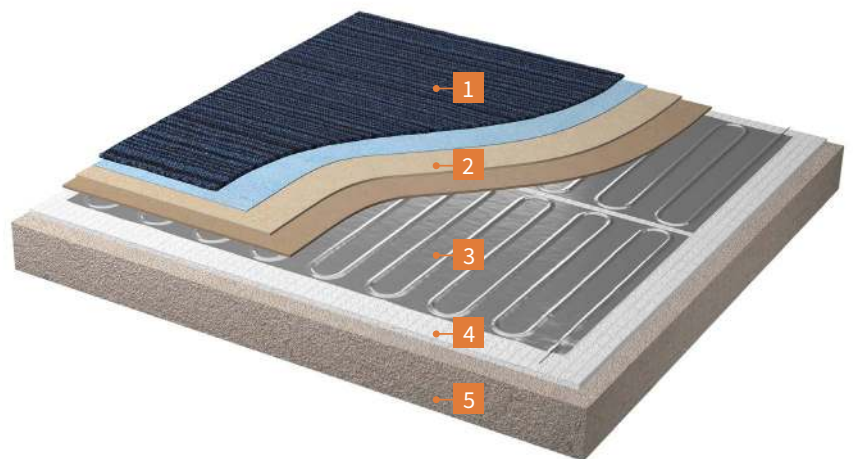
## Overview

Warmup Insulated Underlay is a thin polystyrene insulation barrier with a foil backing. It is designed for use under the Warmup Foil Heating system. It is installed between the cold subfloor and the Foil Heater which reflects the heat upwards making the heating system more efficient. The Insulated Underlay has effective acoustic properties to reduce contact noise and the foil backing acts as an effective moisture barrier.

Installation is quick, clean and dry, making it an easier option for installers. It is installed foil side down, the protective film from the self-adhesive strip is removed and the underlay is stuck to the subfloor. The next section of underlay is then laid with self-adhesive strip overlapping the foil to act as a moisture barrier.

### FLOOR CONSTRUCTION

- 1 Floor Finish
- 2 Warmup Dual Overlay
- 3 Warmup Foil Heater
- 4 Warmup Insulated Underlay
- 5 Subfloor



**Electric**  
Heating System

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The world's best-selling floor heating brand™

# Technical Data

## INSULATED UNDERLAY - TECHNICAL SPECIFICATIONS

SIZE	WIDTH - 1200mm COVERAGE/PACK - 2.5sqm, 5.0sqm, 10sqm, 25sqm
THICKNESS	6mm +/- 0.5
COMPOSITION	TOP LAYER: GROOVED POLYSTYRENE BOTTOM LAYER: SILVER FOIL WITH ADHESIVE OVERLAP
Rm VALUE	0.19m <sup>2</sup> K/W
CONTACT SOUND REDUCTION*	25dB ΔLw WHEN USED IN CONJUNCTION WITH WARMUP® DUAL OVERLAY
TEMPERATURE REACH	-30 °C up to +70°C
THERMAL CONDUCTIVITY (W/m.K)	0.036
DENSITY (kg/m <sup>3</sup> )	18
FIRE CLASS EN13501	E <sub>fl</sub>
WATER VAPOUR DIFFUSION RESISTANCE (SD)	> 100



## Features

- Reflects heat upwards making the system more energy efficient
- Effective acoustic properties to reduce contact noise
- Very thin at only 6mm in depth
- Lightweight and easy to install
- Foil backing acts as a moisture barrier