

Thermo Pro X

Underlay designed for underfloor heating systems, suitable for domestic and contract installations.

Thermo Pro X	2mm
Construction	Closed Cell Foam and Air Pockets
Nominal Thickness	2mm
Noise Reduction	≈ 21 dB ΔLW
Area Coverage	10m ²
Roll Dimensions	1m x 10m
Roll Weight	≈ 2kg

Technical Specifications		
Tested to EN	Result	Method
Thermal Resistance	0.30 TOG	DIN 4108
Retention of Work of Compression (min 40%)	80%	ISO 2094
Sound Impact Reduction	21 dB ΔLW	BS EN ISO 10140-3 Impact Sound
Loss in Thickness After Dynamic Loading	4.1%	ISO 2094
Loss in Thickness After Static Loading	7.2%	ISO 3415/3416
Flammability Classification	Class B2	DIN 4102
Max Temperature Stability	75°C	Internal
Compressive strength at 0.5mm deformation	150kPa	EN 16354:2018 A.3.7 and EN 826:2013
Compressive strength at 10% compression (European)	~60kN/m ²	DIN EN 826

Product Specifications	
Guarantee	Use Barrier Pro X Tape to join the seams

ADDITIONAL INFORMATION:

Modified PE dense foam with heat transfer air pockets installed for efficiency. Applicable for underfloor heating systems, laminate, wood, solid wood, engineered or LVT flooring installations.

MANUFACTURER:

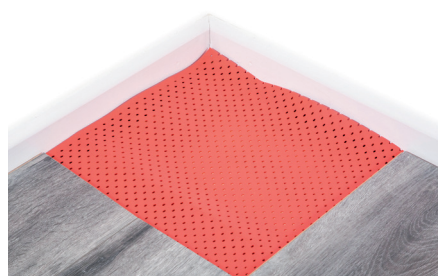
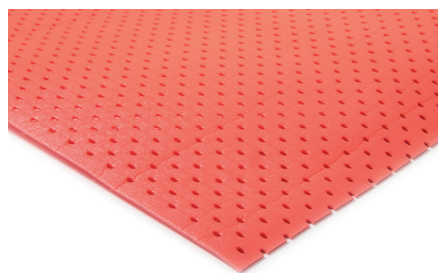
Distributed by Royale Flooring.
From Wilsons Underlays Ltd. Dewsbury, WF13 3RD.

DISCLAIMER:

The data on this sheet is meant for information purposes only. The typical properties listed are the result of extensive research or laboratory testing, the materials used may vary and we cannot guarantee these results are obtained in practice. Users should conduct their own tests to determine the suitability of each material to its intended application.

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Thermo Pro X Installation Instructions



Always remember to follow Code of Practice:

BS 5325: 2001 Code of practice for installation of textile floor covering

First things first

Thermo Pro X is intended for use with underfloor heating. The following instructions are intended to act as additional notes to this code of practice and to cover or emphasise those details relating to the installation of Thermo Pro X. Please also refer to the specific instructions of the carpet manufacturer.

Sub floor conditions and floor preparation

In general sub floor conditions should comply with the requirements of the Code of Practice quoted above. A lot of effort goes into these standards and codes of practice with the aim of getting the best installation, so our advice is to take a look at them.

Basically, it says that all sub floors should be clean, dry, level and structurally sound and free from any cracks and contamination. All cracks and holes should be adequately repaired to ensure a smooth finished appearance, patching and levelling compounds must be suitable for the end use application and must be compatible with any adhesives that may be used. Very absorbent or dusty subfloors should be primed with a primer compatible with the adhesive to be used. Wooden floors showing warping, shrinkage or unevenness must be made good before continuing. Wax or varnish should be removed as these treatments can affect the adhesive bond.

Temperature/humidity and conditioning

The ideal indoor temperature for installation is between 18-35°C, with a maximum air relative humidity of 65%. The subfloor temperature should not fall below 10°C and it is important that the carpet and underlay are stored on site at the same temperature as the areas to be installed.



Barrier Pro X Tape has been manufactured to work exclusively with this underlay. It keeps underlay secure all at times during its lifetime.

Always install the carpet in accordance with the carpet manufacturer's instructions. These instructions are not exhaustive, if in any doubt please contact us.

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Installation

- Ensure that the subfloor is sound, smooth, dry, and level in accordance with the British Standard relevant to the product being installed i.e., Resilient Flooring (BS8203: 2017), Laminate Flooring (BS8425: 2003), Timber Flooring (BS8201: 2011)
 - Ensure the underfloor heating (UFH) has been commissioned. UFH should be switched off 48hrs prior to, during, and 48hrs after installation, then brought up to temperature in increments. The maximum temperature should not exceed 27°C.
 - Clean subfloor and remove debris and/or contaminants which may impair installation.
 - Check each roll of underlay for faults or discrepancies prior to installation.
 - Plan the direction of underlay so that runs do not coincide with the floor coverings locking system.
- Floor covering materials should be acclimatised in accordance with the relevant British Standard.
 - When installing onto a solid substrate, the use of a vapour barrier should be incorporated to protect against residual moisture.
 - A vapour barrier is not required when installing over a timber-based substrate.
 - Lay out underlay and reverse each run. The underlay can be either loose laid or affixed by using a double-sided tape or spray adhesive (consult adhesive manufacturer for compatibility). Mechanical fixings should not be used.
- If a vapour barrier has been incorporated, ensure that this runs up the walls and is not damaged during the underlay trimming process.
 - Once the underlay has been laid out, trim off any excess.
 - Install Barrier Pro X tape along the underlay joints to prevent against excess movement.
 - Once the underlay has been installed, remove waste and debris, and check the floor area for discrepancies.
 - Install the floorcovering as per manufactures recommendations.
 - If a vapour barrier has been installed, trim this off to the height of the finished flooring installation.
- Once the installation has been completed, clean off area.
 - UFH can be turned on 48hrs after the carpet has been installed, with the temperature being increased in increments, up to a maximum temperature of 27°C.



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