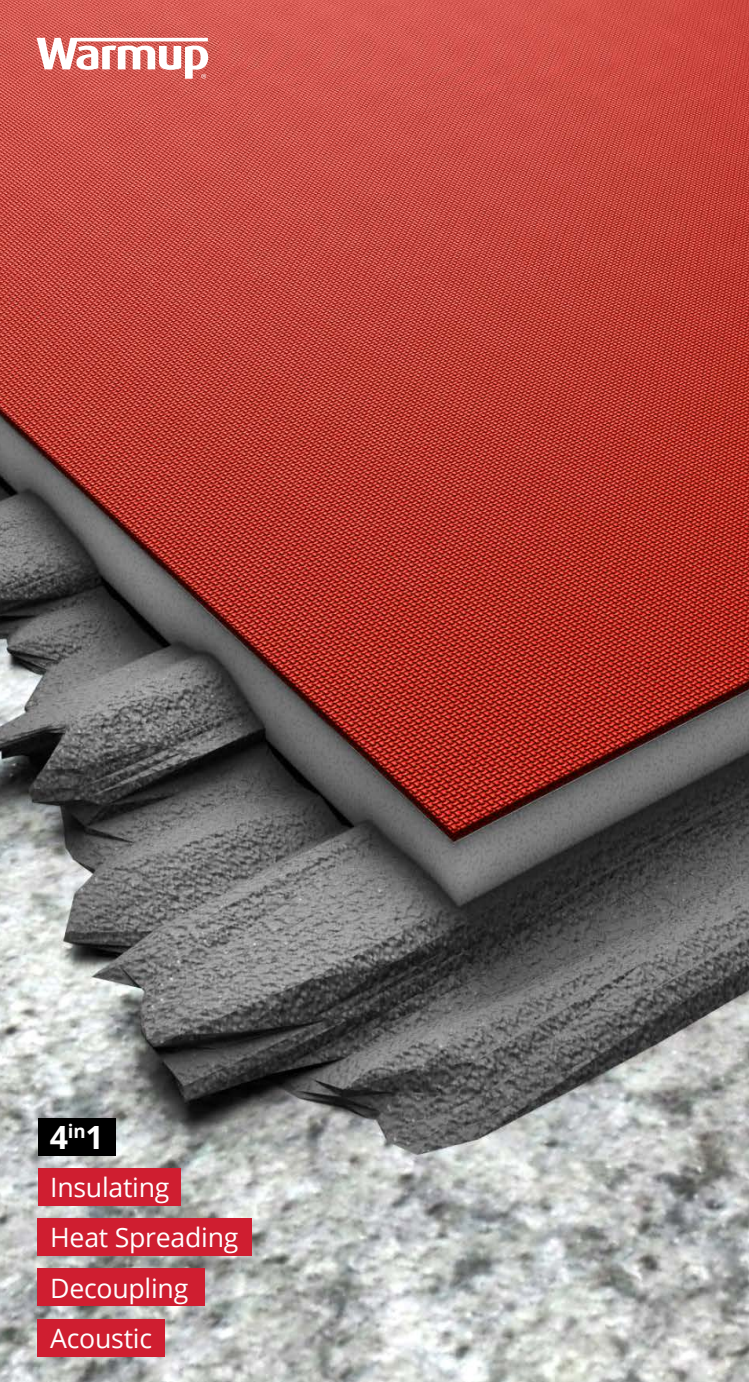


Warmup



4ⁱⁿ1

Insulating

Heat Spreading

Decoupling

Acoustic

Warmup Ultralight Installation Manual



Installation



The subfloor must be clean and dry and if necessary, smoothed with a self-levelling compound to give an even surface.

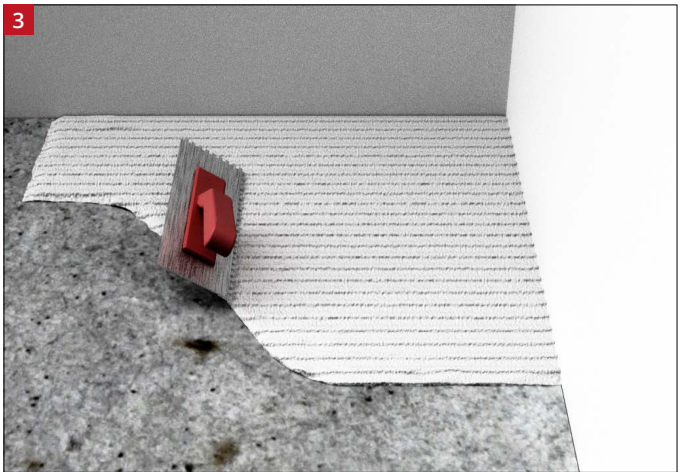
NOTE: Per ASTM C627 "The L/360 standard means that the floor should not deflect more than the "span" divided by 360. If the span of the joists is 10 feet (between supports), then the deflection should not be more than 1/3" between the center and the end."



Prime subfloors with a solvent free primer as needed. For proprietary subfloors refer to the manufacturer instructions.

Provided the subfloor is adequately prepped and clean, it may not be necessary to prime. This can vary depending adhesive selection.

Installation



Ultralight should be installed using a flexible, cement-based adhesive. The adhesive should be trowelled out and combed through using a 6 mm x 6 mm (¼" x ¼") square notch trowel to give a ribbed bed, any slight depressions in the subfloor being filled by the mortar.

NOTE: If you plan to apply a levelling compound over Ultralight apply Warmup Perimeter Strip to the edge of the room to allow for differential movement between the finished floor level and walls.



Ultralight should be laid on the freshly applied ribbed bed and thoroughly bedded in to ensure that no voids are left beneath the boards and they are solidly supported. All boards should be laid with staggered joints.

NOTE: You can proceed with the heating cable/mat installation as soon as the adhesive permits traffic above. Refer to the manufacturer's instructions

Technical Specifications

Product Code	WCI-1	Compressive Strength, 10% Compression, <i>EN 826</i>	32 psi (220 kPa)
Pack Size	Sold individually (Must order a minimum of 5).	Point Loading, tiled <i>ANSI A118.12</i>	≥ 500 lbf (≥ 2.2 kN)
Thickness	1/4" (6 mm) ±0.3mm	Robinsons test, 100 - 199 mm tiles, <i>ASTM C627</i>	Domestic
Dimensions	24" W (610 mm) x 48" L (1219 mm) ±1/4" (6mm)	Robinsons test, 200 - 599 mm tiles, <i>ASTM C627</i>	Light Commercial
Area	8 sqft (0.75m ²)	Robinsons test, ≥ 600 mm tiles, <i>ASTM C627</i>	Heavy Commercial
Weight of Board	1.43lb (0.86kg)	7 Day Shear Strength, <i>ANSI A118.12</i>	113 psi (780 kPa)
Thermal Resistance <i>EN 12667</i>	0.630 °F-ft ² -h/ BTU (0.111 m ² K/W)	Crack Resistance (Anti-Fracture / Decoupling), <i>ANSI A118.12</i>	≥ 1/8" => High Performance
Thermal Conductivity <i>EN 12667</i>	0.031 BTU/°F-ft-h (0.054 W/mK)	Long Term Water Absorption, <i>EN 12087</i>	0.052% w/w
Reaction to Fire, <i>EN 13501-1</i> <i>EN ISO 11952-2</i>	Euroclass E	Water Vapour Permeability, <i>EN 12086</i>	9.12 mg/m ² h
Release of Dangerous Substances, <i>REACH</i>	SVHC ≤ 0.1% w/w	Mould Growth, <i>ANSI A118.12</i>	Does not support mould growth

Acoustic Performance

<i>Floor Construction</i>	<i>Standards</i>	<i>Result</i>	<i>Report No.</i>
3/4" (19mm) OSB board 18" (450mm) Open Web Joists 3.5" (90mm) Fibreglass Insulation 1/2" (12.7mm) RC Deluxe Resilient Channel 5/8" (15.9mm) Gypsum Panel	<i>ISO 717-1</i> <i>ISO 10140-2</i> <i>ISO 10140-3</i> <i>ASTM E90</i> <i>ASTM E492</i>	Rw 54 dB L _{n,w} 60 dB STC 54 IIC 50 HIIC 50	M5642.01-113-11-R0 M5642.02-113-11-R0
75 lb/ft ² (350 kg/m ²) Concrete Slab	<i>ISO 717-1</i> <i>ISO 10140-2</i> <i>ISO 10140-3</i> <i>ASTM E90</i> <i>ASTM E492</i> <i>ASTM 3222</i> <i>ASTM E2179</i>	Rw 53 dB L _{n,w} 67 dB ΔL _{n,w} 11 dB STC 53 IIC 43 ΔIIC 15 HIIC 42 ΔIIC 14	M5643.01-113-11-R0 M5643.02-113-11-R0

Technical Specifications

Product Code	WCI-10	Compressive Strength, 10% Compression, <i>EN 826</i>	32 psi (220 kPa)
Pack Size	Sold in a box of 10	Point Loading, tiled <i>ANSI A118.12</i>	≥ 500 lbf (≥ 2.2 kN)
Thickness	1/4" (6 mm) ±0.3mm	Robinsons test, 100 - 199 mm tiles, <i>ASTM C627</i>	Domestic
Dimensions	3'3x 2'3 x 1/4" (985mm x 678mm x 6mm).	Robinsons test, 200 - 599 mm tiles, <i>ASTM C627</i>	Light Commercial
Area	Covers 71.8sqft.	Robinsons test, ≥ 600 mm tiles, <i>ASTM C627</i>	Heavy Commercial
Weight of Board	1.43lb (0.86kg)	7 Day Shear Strength, <i>ANSI A118.12</i>	113 psi (780 kPa)
Thermal Resistance <i>EN 12667</i>	0.630 °F·ft ² ·h/ BTU (0.111 m ² K/W)	Crack Resistance (Anti-Fracture / Decoupling), <i>ANSI A118.12</i>	≥ 1/8" => High Performance
Thermal Conductivity <i>EN 12667</i>	0.031 BTU/°F·ft·h (0.054 W/mK)	Long Term Water Absorption, <i>EN 12087</i>	0.052% w/w
Reaction to Fire, <i>EN 13501-1</i> <i>EN ISO 11952-2</i>	Euroclass E	Water Vapour Permeability, <i>EN 12086</i>	9.12 mg/m ² h
Release of Dangerous Substances, <i>REACH</i>	SVHC ≤ 0.1% w/w	Mould Growth, <i>ANSI A118.12</i>	Does not support mould growth

Warranty



Subject to the conditions and limitations stated below, Warmup Inc("Warmup") warrants that Warmup Ultralight ("the product") will be free from manufacturing defects and will not deteriorate under normal usage for a period of 10 years from the date of purchase when installed and used in accordance with the product installation guide.

This warranty applies:

Only if registered with Warmup within 30 days of purchase. Registration can be completed online at www.warmup.com. In the event of a claim, proof of purchase is required in the form of an invoice or receipt. Such invoice or receipt must indicate the purchase date of the product associated with the claim.

This warranty is void if the floor covering over the product has been lifted, replaced, repaired, or covered with subsequent layers of flooring.

The warranty period begins on the date of purchase. During the period of the warranty Warmup will arrange for any sheet of the product, that has been proven to be defective, to be either replaced free of charge or issue a refund against the product only. These are the only remedies under this warranty, which does not affect your statutory rights. Such cost does not extend to any cost other than direct cost of replacement by Warmup and does not extend to costs of relaying, replacing, or repairing any floor covering or floor.

WARMUP PLC SHALL IN NO EVENT BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES, INCLUDING BUT NOT LIMITED TO EXTRA UTILITY EXPENSES OR DAMAGES TO PROPERTY.

WARMUP PLC is not responsible for:

1. Damage or repairs required because of faulty installation or improper application.
2. Damage because of floods, fires, winds, lightening, accidents, corrosive atmosphere or other conditions beyond the control of Warmup plc.
3. Use of components or accessories not compatible with the product.
4. Products installed outside of any country or territory within which Warmup operates.
5. Products not supplied or designated by Warmup.
6. Damage or repairs required because of any improper use.
7. Changes in the appearance of the product that does not affect its performance.



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Warmup

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