

PROVA FLEX-HEAT+

The ultimate versatility in tile underlayment 

PRODUCT DATA SHEET

Description

PROVA FLEX-HEAT® is manufactured from red polypropylene (PP) and white polypropylene non-woven fabric. The non-woven fleece (**Shear Stress Control**®) is laminated using a polyolefin based adhesive to the underside of the membrane. PROVA FLEX-HEAT® is impermeable and resistant to most common chemicals in normal building construction. The product acts as a versatile uncoupling membrane for use with multiple sizes of heating cables and contains a vapor management system. This product is intended for direct application of tiles using modified thin set mortar.

Studs are formed in a consistent pattern on the top face of the product. The studs with overhang, facing a straight wall on the opposite side creates a locking channel for low voltage heating cables to be snapped under the overhang and tile adhesive in order to bond tiles to the product. The product is fixed to the underlying substrate with modified mortar, with the non-woven fleece fabric face down as the anchor. For floors where high loads are expected, the point load bearing capacity of the product may be ensured by completely filling the formed cavities with modified mortar.

The studs are spaced at approx. 25 mm (1") centres. The product is supplied in rolls of 15m (49.2').

Properties

- Versatile heating cable capabilities
- Approx 7.6 cm (3") cable spacing for efficient heat distribution
- Bridges stress cracks and control joints
- Light weight, labor saving
- Equalizes substrate vapor pressure
- Water impermeable
- Chemical resistant, non-rotting

Suitable Substrates

Plywood and OSB (Exterior Glue only) substrates for ceramic tile installations:

- 16" o.c. joist spacing, minimum subfloor thickness: 5/8"
- 19.2" o.c. joist spacing, minimum subfloor thickness: 3/4"
- 24" o.c. joist spacing, minimum subfloor thickness: double layer 3/4" + 3/8"

For natural stone and large format tile installations, substrate deflection cannot exceed L/720.

Concrete slabs that are stable, flat, structurally sound, and free of agents, coatings, etc. that could inhibit the thin set mortar bond.

Installation

Please refer to PROVA FLEX-HEAT® installation instructions on back side of product label. For technical assistance, please contact Customer Service at 1-800-565-6653.



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TECHNICAL DATA

Sheet thickness:	nominal 0.80 mm 0.032"	Linear coefficient of thermal expansion:	0.18 mm/m°C (0.1×10^{-3} in/in°F)
Stud height (net):	approx. 6 mm 0.237"	Thermal resistance:	$\leq 0.6 \text{ m}^2\text{C/W}$ (0.0087 hr ft^2 $^{\circ}\text{F/Btu in}$)
Construction height:	approx. 6.5 mm 0.256"	Air gap volume:	TBA
Unit weight:	0.780 kg/m ² (18.5 lbs ft ²)	Stud cavities volume:	TBA
Sheet Material:	Polypropylene (PP)	Life expectancy:	At least 50 years for defined Applications
Bottom Fabric:	Non-woven Polypropylene	Color:	
Loading performance:	Defined by tile specification	Membrane sheet:	red
Working temperature:	-10° to 60°C (14°F to 140°F)	Bottom fabric:	white
Installation temperature:	5° to 40°C (41°F to 104°F) but limited by tile adhesive specification	Packaging:	15 sq.m (161 sq.ft)/roll 9 rolls per pallet
Storage:	PROVA FLEX-HEAT® should be stored in unbroken packaging and upright, and preferably under cover, when stored over long periods	Width:	1m (3.28')
Storage temperature:	max. 45°C(113°F)	Length:	15m (49.2')
Softening temperature:	160°C (320° F)	Article Number:	TT8006RED15

Chemical Resistance:

PROVA FLEX-HEAT® is resistant to most chemicals to which it could be exposed to during normal building construction. A small number of aggressive chemicals (e.g. solvents), in large concentrations, could attack PROVA FLEX-HEAT® during prolonged exposure. If in doubt, and for unusual applications, please contact customer support at 1-800-565-6653.



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