

VELAFIBRE ECO

Description

VELAFIBRE ECO is a thin under floor soundproofing material, composed with a non-woven polyester layer and covered by a plastic film.

VELAFIBRE ECO complies with the French standard DTU 52.1 (installation of insulating undercoats under floating screed or plates, slab and under tiles - technical specifications).

Composition

	VELAFIBRE ECO
Weight	about 300 g/m ²
Thickness	2,8 mm
Topside	Plastic film
Underside	Non-woven polyester
Overlap	70 mm

Characteristics

	VELAFIBRE ECO
Classification (NF P 61-203)	SC1 b3 A
Balanced shock noise reduction level (NF P 61-203) Minimum requested ≥ 15 dB	$\Delta L_w = 20$ dB* (under screed / floating floor) $\Delta L_w = 21$ dB** (under wooden floor)
Noise balance index reducing (NF EN ISO 140-3)	$R_w (C; C_{tr})$ $\geq 57 (-2; -7)$ dB*
Density Minimum requested $\geq 12,5$ kg/m ³	79 kg/m ³
Increase in dynamic stiffness after creep (NF EN 29052-1) Maximum requested < 60 %	45 %
Resistance to nail tearing (NF EN 12310-1) Minimum requested ≥ 20 N	345 N
Resistance to puncturing (NF EN 12430 & Annex B NF P 31-203) Minimum requested : ≥ 5 mm and $\geq 10\%$ thickness	0,35 mm
Resistance to compressive creep at 5 kPa (NF EN 1606) Maximum requested < 2 mm	1,06 mm
Variation of thickness between 50 kPa and 2 kPa (NF EN 12431) Maximum requested $< 1,5$ mm	1,43 mm
Thermal resistance (NF EN 12667)	$R = 0,1$ m ² .°K/W
*PV CTBA under floating floor N° 05/LTBA – 18CIPHYI217 (April 10 2006)	
**PV CTBA under 8 mm parquet covering	

TECHNICAL DATA SHEET

N° DTE 11-196_EN cancels and replaces DTE-10/014_EN

Packaging

	VELAFIBRE ECO
Roll dimensions	60 m x 1,20 m (72 m ²)
Roll weight	about 20 kg
Storage	Upright on pallet with plastic wrapping, protected against moisture

Roll lengths are given with a tolerance of $\leq 1\%$. Roll can be cut in two parts. In this case, the shortest length is 3 meters and the total length is equal to the nominal length.

Width of roll is given with a tolerance of 1% (UEAtc).

Rolls must be stored upright on flat ground. Pallets may be stacked to a maximum of two high with separating layer.

During storage, protect the rolls against moisture. In cold weather, we recommend that the rolls be kept at a minimum temperature of + 2°C (+ 36 °F) for at least 5 hours before installation.

User application

VELAFIBRE ECO is an impact soundproofing material, in accordance to the French standard DTU 52.1 concerning implementation of insulating undercoats, under floating screed, slab or under tiles. **VELAFIBRE ECO** is classified SC1 b3 A.

This classification enables this underlayer to be used:

- Buildings with moderate loads (≤ 200 kg/m²)
- Under tiling, in direct sealed installation (screed):
 - 5 cm thickness screed mortar reinforced with TS 100 x 100 (325 kg/m²) or polypropylene fibers or
 - 6 cm thickness not reinforced.

VELAFIBRE ECO is also used for parquet floors.

Installation

VELAFIBRE ECO is applied directly to the support, posed jointed (edge to edge) with the covering folded back, coverings closed by adhesive strip of 5 cm width minimum. Please provide a provisional protection on the passage zones before protection, as long as screed is not made.

Special indications

Hygiene, health and environment:

The product does not contain any substance likely to be detrimental to health or to environment and complies with generally admitted Health and Safety Requirements. For more information, please refer to relevant Safety Data Sheet.

Quality control:

SOPREMA has always attached the highest importance to Quality Control.

For this reason, we operate an independently monitored Quality Assurance System in compliance with **BS EN ISO 9001: 2008**, certified by **BSI Management System**.

