TECHNICAL DATA SHEET
n° INSFR111/a

PAVAFLEX CONFORT 36

PAVAFLEX CONFORT 36 is a straight edge semi-rigid thermal insulation board for the building composed with wood fibres.

User application

PAVAFLEX CONFORT 36 thermal insulation board are designed for indoor use:

- vertical walls, respecting the need of a vapor barrier after installation of the thermal insulation and before the inside covering,
- pitched roofs, installed between rafters, and/or under rafters, respecting the need of a vapor barrier after installation of the thermal insulation and before the inside covering,
- horizontal non-occupied floors for attics, in association with a vapour barrier (warm side).

All the applications are described in Technical Approvals or **SOPREMA**'s Technical Guidelines in force.

Composition

	PAVAFLEX CONFORT 36
Composition	Softwood fibres
	Binder polyolefin fibres
	Ammonium sulphate (flame retardant)
Bulk density	55 (-5/+10) kg/m^3

Packaging

	PAVAFLEX CONFORT 36
Size Length x width	For 50, 60, 80, 100, 120, 140, 145, 160, 180, 200, 220 and 240 mm thicknesses: 1220 mm x 575 mm
Labelling	Each pallet and each bag are CE marked
Packaging	Each pallet is composed of 33 bags, on non-stackable pallet with plastic wrapping
Storage	Indoor, on flat support, away from weather

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Characteristics - CE marking

PAVAFLEX CONFORT 36 is a thermal insulation board in conformity with the standard EN 13171 "Thermal insulation products for buildings. Factory made wood fibre (WF) products".

Essential characteristics	Performances 50 to 240 mm				Harmonized Technical Specification
Thermal conductivity – λD (W/(m.K)) – EN 12667	0.036				EN 13171 : 2012+A1 :2015
Thickness – d (mm) Thermal resistance – R_D (m².K/W) – EN 12667	50 mm 60 mm 80 mm 100 mm 120 mm 140 mm	**1.35** **1.65** **2.20** **2.75** **3.30** **3.85**	145 mm 160 mm 180 mm 200 mm 220 mm 240 mm	**4.00** **4.40** **5.00** **5.55** **6.10** **6.65**	
Thickness tolerance	T3				
Reaction to fire	E				
Durability of reaction to fire against heat exposure, weathering, ageing/ degradation	(a)				
Thermal resistance durability against heat exposition, weather conditions, aging/ and damage Durability characteristics	(b)				
Dimensional stability	NPD				
Deformation under specified compressive load and temperature conditions	NPD				
Determination of thermal resistance and thermal conductivity values after ageing	NPD				
Compressive strength Compressive stress Point load	 NPD NPD				
Tensile/Flexural strength Tensile strength perpendicular to faces Tensile strength parallel to faces	 TR1 NPD				
Durability of reaction to fire against heat exposure, weathering, ageing/ degradation Compressive creep	 NPD				
Water permeability Short term water absorption	 NPD				
Water vapour transmission	MU 2				
Impact noise transmission index (for floors) Thickness Compressibility Air flow resistivity	 NPD NPD NPD				
Sound absorption α	NPD				
Air flow resistivity	AFr5				
Release of dangerous substances to the indoor environment	(c)				
Continuous glowing combustion	(c)				

(a): Fibres wood fire resistance does not degrade with time.
(b): The thermal conductivity of wood fiber products does not change with time, experience has shown that the fiber structure remains stable and that the porosity contains no gas other than atmospheric air.
(c): European test methods are ongoing.

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Characteristics (off CE marking)

PAVAFLEX CONFORT 36	
Specific heat capacity	**2100 J/kg.K**
KEYMARK certification	**039-MPA NRW-00429-02**
Semi-rigid (Code of Practice DTU 25.41 P1-2 – CGM)	**50 to 240 mm**
Classification of emission for volatile substances in indoor air	**A+**

Installation

For attics non-occupied floors: **PAVAFLEX CONFORT 36** is installed in association with a vapour barrier. Boards are laid edge to edge, taking care to stagger joints from one row to the next.
Do not walk on **PAVAFLEX CONFORT 36** boards.

For ventilated pitched roofs: **PAVAFLEX CONFORT 36** is installed between rafters with 4 to 6 mm oversize. This makes possible to hold the panel in place by the effect of semi-rigidity. A vapour barrier is unrolled under the rafters and in contact with **PAVAFLEX CONFORT 36**. The inside covering is installed under the rafters, on a wood or steel frame.

As indoor insulation for vertical walls: **PAVAFLEX CONFORT 36** is installed between wood or steel stud framing. **PAVAFLEX CONFORT 36** is cut with 4 to 6 mm oversize. This makes possible to hold the panel in place by the effect of semi-rigidity. A vapour barrier is unrolled under the rafters and in contact with **PAVAFLEX CONFORT 36**. The inside covering is installed.

In the 3 cases above, the vapour barrier is either **SOPRAVAP KRAFT** or **SOPRAVAP VISIO** or another vapour barrier with a minimum SD value equal to 18 m, i.e. **SOPRAVAP HYGRO** (moisture-variable vapour barrier).

NB: in case of a wooden frame construction with bracing on the outside, the implementation of **PAVAFLEX CONFORT 36** up to a thickness of 240 mm with **SOPRAVAP HYGRO** vapuor barrier imposes a bracing panel CTBH P5 particle board or CTB OSB 3 panel with 18 mm maximum thickness.

The vapour barrier is jointed on the overlap using the self-adhesive tape **PAVAFIX** and the connections to the other walls using **PAVAFIX** or **PAVABOND** sealant.

Special indications

Hygiene, health and environment:
PAVAFLEX CONFORT 36 is not classified has hazardous according to European & French regulation.

For further information, please refer to relevant Safety Data Sheet.

Concerning product scraps or batch remnants: non-hazardous non-inert waste - reuse, incineration in Authorized installation or disposal in a Non-Hazardous Waste Storage Facility (ISDND - class III landfill).

Traceability:
Product traceability is ensured using the pallet number (Pallet Nr: F2xxxxxxxxx) on the sticker.

Manufacturing date is written on a sticker on the pallet and on each bag.

Integrated QSE Management System:
PAVAFLEX CONFORT 36 is manufactured and controlled under an integrated management of **Quality management system (ISO 9001) and Environment (ISO 14001).**

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