

EFIPERL

Description

EFIPERL is a ready-to-use mineral insulation composed of calibrated vermiculite and perlite granules, exfoliated and expanded by thermal treatment.

EFIPERL is used between timber floor joists to improve the thermal and acoustic properties.

EFIPERL is also used, mixed with water and cement (concrete from **EFIPERL**), as a lightweight insulating filling for concrete bearing floors or hollow core slabs.

Packing

Volume/bag (l)	100
Mass/bag (kg)	± 10,5
Number of bags/pallet	33

Store on a flat surface, keep dry, protected from sunlight and frost.

Characteristics

EFIPERL	
Thermal conductivity(W/(m.K))	0,056
Colour	white to beige
Form	granules
Granular class	0,5 – 5
Particle size (mm)	≤ 11
Bulk density (kg/m ³)	105 ± 15
Reaction to fire	A1
EFIPERL concrete	
Thermal conductivity (W/(m.K))	0,15
Bulk density (hardened) (kg/m ³)	300
Compressive strength at 28 days (mPa)	0,13
Application temperature (product and environment)	+5 / +30 °C
Reaction to fire	A1

NPD = no performance determined

Installation

EFIPERL between wooden beams of flooring:

Application

Sprinkle loosely between the wooden beams and distribute with a rake to the desired level.
Level with a metal rule at the same height as the top of the beams.

Consumption

1 bag = 10 cm/m²

Finish

Apply an acoustic disconnection band on top of the supporting beams.
Install a wooden subfloor on top of which a loose or floating floor, such as laminate, parquet and vinyl carpet, is applied.

EFIPERL concrete on supporting floors made of concrete or hollow core slabs:

Preparation

The support must be free of dust and dirt.

Install an edge insulation strip at the perimeter of the room.

In case of fixed application, moisten the support slightly and apply a primer if necessary.

Mixing

Mix according to the ratio below.

Composition		concrete of EFIPERL	
		for 1 m ³ concrete	for 1 bag
EFIPERL		12 to 13 bags	1 bag
Cement	CEM II A/32,5 CEM II B/32,5 CEM I 42,5	250 kg	20 kg
Water		355 – 365 liter	30 liter

Application

Apply **EFIPERL** concrete in a layer thickness of at least 5 cm to a maximum of 30 cm.

Finish

Finish the whole with a reinforced concrete screed (300 kg/m³) of at least 5 cm with an internal reinforcement mesh of 50 x 50 x 2 mm.

NOTE:

EFIPERL concrete

The concrete is applied at an environment temperature between +5 °C and +30 °C.

At temperatures above +25 °C and/or strong ventilation the concrete needs to be shielded after installation with a polyethylene foil for at least 24 hours

Always protect metal parts such as metal girders and pipes against corrosion.

Expansion joints need to be provided every 8 running meters, with surfaces not exceeding 40 m².

Respect a sufficient drying time before applying a further finish.

The layer does not contribute to improvement the stability of the supporting structure.

Special indications

Hygiene, Health and Environment

The product does not contain any substance which is likely to be detrimental to your health or to the environment and complies with generally admitted Health and Safety Requirements.

Quality-, Environment- and Safety Management

SOPREMA always recognises as a high level of importance the quality of the products, the environment and safety. For this reason, we operate independently monitored Quality and Environment Assurance Systems in line with **EN ISO 9001** and **EN ISO 14001**.