





Printed plastic bag of 100 L

EFIPERL

Description



EFIPERL is a mix of calibrated exfoliated vermiculite grains and calibrated expanded perlite grains, used for lightweight concrete or for floor thermal insulation of lost attics.

Composition

	EFIPERL
Expanded vermiculite	Granular class 1/5
Expanded perlite	Granular class 0.5/5

Characteristics

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		EFIPERL	
Granular class		0.5/5	
Lightweight concrete	Compressive strength at 28 days	0.13 MPa	
EFIPERL	Thermal conductivity	0.15 W/(m.K)	
	Bulk density	300 kg/m ³	
Thermal	Thermal conductivity	0.056 W/(m.K)	
insulation	Bulk density	$105 \text{ kg/m}^3 \pm 15 \text{ kg/m}^3$	
EFIPERL	Reaction to fire	A1	
	Consumption	1 bag for 10 cm thick / m ²	

Packaging	&
Storage	

Packaging	Identified by manufacturing date		
	Pallet of 33 bags wrapped and banded with PE foil		
Storage	Protected from bad weather and sunshine		

User application

EFIPERL is used as light aggregate for concrete and mortar.

EFIPERL is also used as bulk thermal insulation to pour on floor or for ceiling of lost attics.

SOPREMA SAS with a Capital of 50 000 000 € - Headquarter: 14 rue de Saint-Nazaire – 67100 STRASBOURG – FRANCE Postal adress: CS 60121 - 67025 STRASBOURG CEDEX. RCS STRASBOURG: 314 527 557.SOPREMA reserves the right to amend the composition of its material and consequently their prices, without prior notice. For this reason, all orders will be accepted only in accordance with the conditions and technical specifications in force at the date of order.

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TECHNICAL DATA SHEET N° DTE-13-027_EN CE



Installation

• Light aggregates for concrete and mortar:

Wooden wedges are installed on the support and levelled to define the thickness and the level to be reached.

EFIPERL is mixed with cement and water in cement mixer according to one of the following compositions below:

	Lightweight concrete EFIPERL			
EFIPERL	1 bag	12 to 13 bags		
Cement - CEM II / A 32.5 - CEM II / B 32.5 - CEM I / A 42.5	20 kg	250 kg		
Water	30 L	355 - 365 L		

Lightweight concrete **EFIPERL** is poured on the support between the wooden wedges. Then the concrete is levelled by using a ruler.

After levelling the concrete, wooden wedges are removed and their place are filled with lightweight concrete **EFIPERL**.

Thermal insulation for floor or lost attics :

For main surface:

EFIPERL is poured either between ceiling joists either on the existing floor.

The thickness of **EFIPERL** is equalized by using a ruler or a wooden scantlings.

In case of floor refurbishment in lost attics, wooden panels are disposed over the **EFIPERL** while ensuring keep a ventilated air space (outside air) of at least 2 cm between the surface of **EFIPERL** and the underside of wooden panel.

Special case for the periphery of the flues:

Near the flues, **EFIPERL**, minimizes thermal losses caused by the safety distance required between the flue and the thermal insulation of main surface.

For this, **EFIPERL** is poured manually into the volume defined by the flue and the trimmer (assembly of plasterboard or wood panel) positioned at safe distance from the flue and whose height is 20% higher than the insulation provided.

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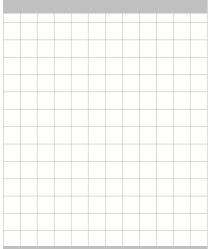




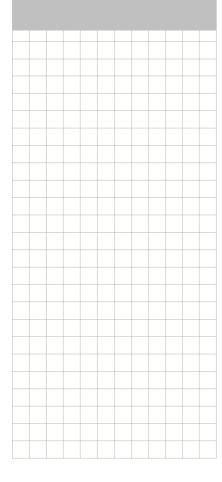
TECHNICAL DATA SHEET



Special indications



CE Marking



Hygiene, health and environment:

EFIPERL is not classified as dangerous according to French and European regulations.

For further information, please refer to relevant Safety Data Sheet, including Personal Protection Equipment (PPE) to wear.

Regarding product residue: non-inert waste - stocked in a storage facility for non-inert waste (ISDI – Dump class III).

Integrated Management System QSE:

EFIPERL is manufactured and controlled under an integrated management system **Quality (ISO 9001)**, **Environmental (ISO 14001)** and **Health-Safety (OHSAS 18001)** certified.

EFIPERL is light aggregate for concrete and mortar and complies with **EN 13055-1**, thereby bearing the **CE** standard marking.

For more information, please refer to the relevant Declaration of Conformity.

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