



# Jabfloor 70, 100, 150, 200 and 250

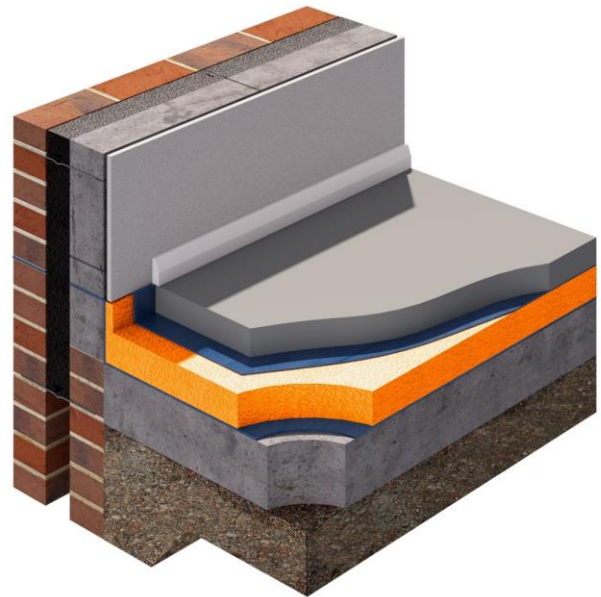
## Jabfloor – An Overview

Jabfloor is a closed cell expanded polystyrene (EPS) insulation board suitable for use in all floor constructions.

A range of compressive strengths are available to suit all building types from domestic to industrial.

Approved by BBA as Jablite Floor Insulation - Certificate number 87/1796.

Jabfloor can be used in temperatures up to 80°C. It is therefore suitable for use with underfloor heating systems.



Jabfloor does not degrade when placed in high moisture areas and is resistant to the effects of freeze thaw. Jabfloor will remain an effective insulation for the life of the building

There are no requirements for special PPE when installing or cutting Jabfloor. (full installation details are shown later)

## Dimensions

<b>Standard Size</b>	2400 x1200mm
<b>Standard Thickness</b>	25, 30, 40, 50, 60, 75, 100, 120, 150 and 200mm (Other thicknesses available to order)

## Properties :

Grade	Thermal Conductivity (Lambda) (W/mK)	Design load at 1% nominal compression (kPa)	Design load at 10% nominal compression (kPa)
Jabfloor 70	0.038	20	70
Jabfloor 100	0.036	45	100
Jabfloor 150	0.035	70	150
Jabfloor 200	0.034	90	200
Jabfloor 250	0.034	100	250

More detailed physical properties are shown on our EPS Datasheet.





**Application :** This information is provided as guidance only, please refer to the Jabfloor compressive strengths table.

Grade	Application
Jabfloor 70	Domestic
Jabfloor 100	Offices, Special Occupancy Residential (e.g. Care Home)
Jabfloor 150	Public, Government and Educational Buildings
Jabfloor 200	Industrial and Commercial
Jabfloor 250	Industrial, Cold Store, Heavy Commercial

### Accreditation :

<b>BBA</b>	Jabfloor Insulation has been assessed and approved by the British Board of Agrément as Jablite Floor Insulation for use over slab with a screed finish in ground bearing floors. Certificate number 87/1796. This Certificate covers Grades 70, 100 and 150.
<b>NHBC Approved</b>	NHBC accepts the use of Jablite Floor Insulation, provided it is installed, used and maintained in accordance with the BBA Certificate, in relation to NHBC Standards, Chapters 5.1 Substructure and ground bearing floors and 5.2 Suspended ground floors
<b>CE marking</b>	Jablite have taken the responsibility of CE marking the product in accordance with harmonised European Standard BS EN 13163 : 2012. Declaration of Performance is available on Request.
<b>Quality</b>	All Jablite products are manufactured in production facilities which are certified to ISO 9001 Quality Management
<b>Environmental Responsibility</b>	All Jablite manufacturing facilities are ISO 14001 certified. We operate an Environmental Management System which includes our supply chain (see BREEAM section for more information)
<b>Compliance</b>	Jabfloor conforms to the required properties as defined in BS EN 13163:2012 – Thermal insulation products for buildings – Factory made expanded polystyrene (EPS) products – Specification. This includes compliance with BS 3837 Part 1
<b>Fire</b>	<p>Solid ground floors are not required to provide fire resistance. When properly installed Jabfloor is fully protected by the screed floor finish and will have no adverse effect on the fire performance of the building into which it is installed.</p> <p>Jabfloor is supplied as non-flame retardant material as standard.</p>





## Environment and Sustainability :

<b>A+</b>	Jabfloor insulation is manufactured from EPS (expanded polystyrene) which achieves an A+ rating in the BRE Green Guide to Specification.
<b>Climate Change</b>	<p>Jabfloor insulation has an ozone depletion potential (ODP) of zero and a global warming potential (GWP) of less than 5.</p> <p>EPS does not create any known risk to the environment</p>
<b>100%</b>	Jabfloor insulation is 100% recyclable.
<b>BREEAM</b>	<p><b>Responsible Sourcing.</b></p> <p>Jablite insulation products are manufactured in factories which are ISO 14001 and ISO 9001 certified Jablite purchases raw material from suppliers who are ISO 14001 certified. The ISO certificate are in the Technical Resource Centre on the Jablite website <a href="http://www.Jablite.co.uk">www.Jablite.co.uk</a></p> <p><b>Key Process (Insulation Manufacture)</b> ISO 14001: Certificate Number EMS 559414</p> <p><b>Supply Chain Processes (supply of materials for end products)</b> ISO 14001: Certificate Number NL 015213-1</p> <p><b>Embodied Impact</b> Jablite EPS is manufactured using low energy processes.</p> <p>The calculation of embodied impact relative to thermal performance is a function of the material volume (for each build), its BRE Green Guide Rating and its thermal conductivity.</p> <p>The thermal conductivity of our products is available on both the product packaging and this datasheet</p>
<b>Biological Properties</b>	<p>Jabfloor EPS insulation is non-toxic and non-biodegradable.</p> <p>Jabfloor will not sustain mould growth and has no nutrient value to insects or vermin.</p>

