

# Flax 100

## Flax slabs for thermal and acoustic insulation

### INTRODUCTION

**Flax 100** can be used in walls, roofs, floors and ceilings for both domestic and commercial buildings. It has good thermal properties and includes no synthetic material.

### ADVANTAGES

- Good thermal insulation and moisture absorption properties
- Non-toxic and non-irritant to the touch
- Safe and easy to install
- Environmentally friendly, 100% natural product
- Minimal processing during manufacture
- Renewable resource
- Buildings using flax insulation are comfortable, healthy and fire-safe
- Suitable for refurbishment and new build
- Exclusively for use with ventilated or breathing constructions

### GENERAL

Flax 100 is capable of stabilising the indoor climate, because it has the ability to absorb large amounts of moisture. This prevents deterioration of the building fabric, and reduces the risk of timber rotting or being attacked by mould or fungus.

Flax insulation allows more awkward insulation problems to be resolved very quickly.

The fibres are bound together with potato starch making the product completely natural.

Borax is added for fire protection and insect resistance.



*Cut samples of Flax 100*



*This cross-section demonstrates the use of flax insulation batts to insulate the roof of a solid brick construction. 200mm of flax has been used between ceiling joists and between the rafters.*

### PRODUCT DATA

**Flax insulation batts** for thermal and acoustic insulation.

Batt size	1000 x 625 mm
Thickness	40 / 50 / 60 / 80 / 100 / 120 / 140 / 160 / 180 / 200 mm
Coverage per pallet	50 / 40 / 35.04 / 24.96 / 20 / 15.04 / 15.04 / 12.52 / 10 / 10 m <sup>2</sup>
Weight	1.87 kg/slab (100mm)
Thermal conductivity	0.037 W/mK
Density	30kg/m <sup>3</sup>
Vapour resistance factor $\mu$	1
Moisture absorption	Hydroscopic
Combustibility	Conforms to German standard DIN 4102, B2 classification
Sold as whole pallets only	

### SERVICES

#### Sales

For cost quotations please contact the Sales Department at the address below. Please note that this product is available for medium to large sized projects only.

#### Technical

For further technical information on this product please contact a product specialist at the address below.