

...a comfortable and natural alternative



**SCANFLAX®** is a natural insulation based on flax. It belongs to the growing again raw materials. **SCANFLAX®** insulation mats - a nature product with a low degree of thermal conductivity and a high sound absorption. **SCANFLAX®** ensures a well-balanced and healthy inner climate and also a comfortable working environment.

## SCANFLAX® - a nature product with advantage properties

- **excellent thermal insulation**

- **outstanding inner climate**

- suitable for all building constructions
- diffusionable for damp and water

- **nearly 100% nature**

- only a limit amount of energy is required for producing flax insulation mats
- contains about 95% of natural flax fibres and approx. 5% synthetic binding fibres

- **natural noise absorption**

- an alternative to traditional sound absorption

- **comfortable working environment**

- no itching and scratching
- touch friendly
- fixing without any inconvenience
- nature product
- no dangerous fibre structures



flax plants during blossom



detailed foto of **SCANFLAX®**

### General use:

**SCANFLAX®** is suitable for thermal insulation and sound absorption in different building constructions. Detailed reports has been published by The Danish Fire Institute as well as The Danish Building Council. Please contact FIBRE TECH for further information:

#### Information/distribution: (Europe)

##### FIBRE TECH A/S

Maltrup Vænge 10 DK-4990 Sakskøbing  
Telefon: +45 7020 0677 - Fax: +45 7020 0678  
E-mail: [fibretech@mail.dk](mailto:fibretech@mail.dk) - [www.fibre-tech.dk](http://www.fibre-tech.dk)  
CVR 27626246 . Bank: Merkur Bank

#### Information/distribution: (Germany)

##### **FASA AG**

Frankenberger Str. 140 09131 Chemnitz  
Tel.: 0371 / 461120 Fax: 0371 / 4611226  
E-mail: [fasa@fasa-ag.de](mailto:fasa@fasa-ag.de) [www.fasa-ag.de](http://www.fasa-ag.de)

**FIBRE TECH A/S +45 70200677**

a member of **FASA** Group

## Technical Specifications

### Product:

**SCANFLAX®** consist of 95% refined flax fibres from either waste production or directly from grower with an admixture of 5% syntetic binding fibres (polypropylen/polyethylen).

### Thermal conductivity

- $\lambda_{10}$	technological institute approx.	39 mW/mK
- $\lambda_p$	according to DS 418	50 mW/mK
- $\lambda_{declared}$	according to CEN (EU)	40 - 42 mW/mK
- $\lambda_{design}$	according to CEN (EU)	40 - 42 mW/mK

### Safety in case of fire

- unclassified flammable material
- reaction to fire in the size of 0,2 min/mm
- flax products generate no hazardous gases by fire
- flax products burn without open flame - carbonization

### Moisture characteristics

- no moisture supplement to insulating power according to DS 418, 6 edition
- moisture absorption at 80 RM - approx. 15 moisture resistance  $Z_p$  ca 0,3
- capillarity  $k$  0,016

### Protection against noise

- sound absorption coefficients is not measured
- sound reduction characteristics not outlined in Denmark
- Swedish´s measurements indicate that the level is equivalent to or better than traditional insulating products

### Further characteristics

- vermin´s (rats and mice) do not invade flax material
- compostable and easily to recycle

## Manufacturing:



production line for **SCANFLAX®**



## Dimensions:

- Thickness: 100 mm og 50 mm  
 Length: 900 mm  
 With: 600 mm  
 The mats can be delivered in special sizes.

## Delivery:

- The mats are delivered in packets:  
 -100mm (4 pieces in each packet) (2,16m<sup>2</sup>)  
 - 50mm (8 pieces in each packet) (4,32m<sup>2</sup>)

## Handling:



The size of **SCANFLAX®** can be easily fitted with a sharp knife or by using an electric fibre cutter machine. **SCANFLAX®** is kind to skin, cause no irritations and are comfortable to handle.



## Manufacturer:

### FIBRE TECH A/S

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