

# JUTAIZOL

## NATURAL THERMAL INSULATION - JUTE



**JUTAIZOL** mats is healthy and sustainable insulation made from jute fibers.

Due to its properties **JUTAIZOL** is comparable alternative to hemp thermal insulation.

It is produced in standard : **1200 x 600 mm**  
width: **40/50/60/70/80/90/100/120/140/160 mm**.  
Special dimensions are available upon request.

### EASY TO USE:

- **ROOF** insulation (above the rafters with grate / between and under the rafters)
- **CEILING** insulation (above, between and below the collets / on the upper side / insulation of partition joist ceiling)
- **INTERIOR-WALL** insulation (partition and hanging walls)
- **PERIPHERAL-WALL** insulation (sandwich or masonry perimeter walls of wooden structures / from interior side / insulation of ventilated facades)

### COMPOSITION :

- 82-86% jute fibers
- 11-13% BiCo fibers as bonding-agent
- 3-5% sodium carbonate as flame retarder

### PROPERTIES :

- Bulk density.....**32 ± 10% kg/m<sup>3</sup>**
- Declared.....  **$\lambda = 0,039 \text{ W/(m.K)}$**
- Reaction to fire.....**class E**
- Heat-retention capacity.....**c = 1550 J/(kg.K)**
- Vapor diffusion resistance.....  **$\mu \leq 1,2$**
- Favorable sound absorption
- Optimum control of humidity in the interior
- Resistant to rot and pests
- Simple and fast installation
- Ecologically and health harmless
- Used recycled jute fibers improve the ecological character of the product.