

Environmentally friendly insulation system made from natural wood fibres

$\lambda_D$  0,036

Best thermal conductivity



## Flexible, ecological insulation from natural wood fibres



### Areas of application

Flexible cavity insulation in roof, wall and floor constructions

Cavity insulation for partition walls, dry external walls and service zones

- Excellent insulation properties in winter
- Excellent heat protection in summer
- Water vapour open for a healthy internal environment
- Manufactured with fresh softwood – sustainable climate protection through CO<sub>2</sub> storage
- Friction fits to adjoining components
- Supports an environmentally friendly living environment
- Ecological and environmentally friendly, fully recyclable





## Packaging of STEICOflex 036

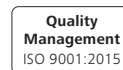
### STEICOflex 036 (Square edge)

| Thickness [mm] | Dimensions [mm] | Pieces/package | Pieces/pallet | Coverage/pallet [m <sup>2</sup> ] | Weight/m <sup>2</sup> [kg] | Weight/pallet [kg] |
|----------------|-----------------|----------------|---------------|-----------------------------------|----------------------------|--------------------|
| 40             | 1,190 * 375     | 10             | 180           | 80.3                              | 2.40                       | approx. 210        |
| 50             | 1,190 * 375     | 9              | 135           | 60.2                              | 3.00                       | approx. 200        |
| 60             | 1,190 * 375     | 8              | 120           | 53.6                              | 3.60                       | approx. 210        |
| 80             | 1,190 * 375     | 6              | 90            | 40.2                              | 4.80                       | approx. 210        |
| 100            | 1,190 * 375     | 4              | 72            | 32.1                              | 6.00                       | approx. 210        |
| 120            | 1,190 * 375     | 4              | 60            | 26.8                              | 7.20                       | approx. 210        |
| 140            | 1,190 * 375     | 4              | 48            | 21.4                              | 8.40                       | approx. 200        |
|                |                 |                |               |                                   |                            |                    |
| 40             | 1,190 * 575     | 10             | 120           | 82,1                              | 2.40                       | approx. 210        |
| 50             | 1,190 * 575     | 9              | 90            | 61,6                              | 3.00                       | approx. 200        |
| 60             | 1,190 * 575     | 8              | 80            | 54,7                              | 3.60                       | approx. 210        |
| 80             | 1,190 * 575     | 6              | 60            | 41,1                              | 4.80                       | approx. 210        |
| 100            | 1,190 * 575     | 4              | 48            | 32,8                              | 6.00                       | approx. 210        |
| 120            | 1,190 * 575     | 4              | 40            | 27,4                              | 7.20                       | approx. 210        |
| 140            | 1,190 * 575     | 4              | 32            | 21,9                              | 8.40                       | approx. 200        |
| 160            | 1,190 * 575     | 3              | 30            | 20,5                              | 9.60                       | approx. 210        |
| 180            | 1,190 * 575     | 3              | 24            | 16,4                              | 10.80                      | approx. 200        |
| 200            | 1,190 * 575     | 2              | 24            | 16,4                              | 12.00                      | approx. 210        |

### Characteristic values of STEICOflex 036

|  |  |
|--|--|
| Produced and supervised according to                           | EN 13171   |
| Board designation  | WF – EN 13171 – T3 – TR1 – AF,5 – MU 2   |
| Fire class according to EN 13501-1                             | E  |
| Declared thermal conductivity $\lambda_D$ [W/(m*K)]            | 0,036  |
| Declared thermal resistance $R_D$ [(m <sup>2</sup> *K)/W]      | 1.10(40) / 1.35(50) / 1.65(60) / 2.20(80) / 2.75(100) / 3.30(120) / 3.85(140) / 4.40(160) / 5.00 (180) / 5.55(200) |
| Water vapour diffusion resistance value $\mu$                  | 2  |
| Specific heat capacity $c$ [J/(kg*K)]                          | 2.100  |
| Declared level of airflow resistance [(kPa*s)/m <sup>2</sup> ] | ≥ 5  |
| Waste code (AVV)   | 030105/170201, Waste disposal like timber or timber products   |
| Ingredients  | Wood fibres, polyolefin fibres, ammonium sulfate   |

**Notes:** Transport packaging should only be removed once the pallet is on a safe and level surface. STEICOflex 036 should be stored flat on a level surface.



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engineered by nature

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