

TECHNICAL DATA SHEET

NEOCOKL

Thermal insulation product for buildings

Product description

Thermal insulation board made of expanded polystyrene (EPS). It does not contain CFCs (CFC free / FCKW frei) and does not contain HBCD.

Product features

The product meets the requirements of SIST EN 13163:2013+ A1:2015, ÖNORM B 6000: 2011

- Format: 1000 x 500 x dN (mm)
- Description: grey board*, straight edges
- Temperature stability: short-term 80°C, long-term 70°C

CE-marking:

EPS-EN 13163-L(2)-W(2)-T(2)-S(2)-P(5)-BS150-CS(10)100-TR150-DS(N)2-DS(70,-)1-WL(T)3

| Key features | EN Standard | Unit | Declared (EN 13163:2012+ A1:2015) |
|-------------------------------------|--------------|-------|-----------------------------------|
| Length | EN 822 | mm | ± 2 |
| Width | EN 822 | mm | ± 2 |
| Thickness | EN 823 | mm | ± 2 |
| Squareness | EN 824 | mm | ± 2 |
| Flatness | EN 825 | mm | ± 5 |
| Flexural strength | EN 12089 | kPa | ≥ 150 |
| Tensile strength | EN 1607 | kPa | ≥ 150 |
| Compressive strength | EN 826 | kpa | ≥ 100 |
| Dimensional stability | EN 1603 | % | ± 0,2 |
| Dimensional stability at 70°C | EN 1604 | % | ≤ 1 |
| Def. under pressure and temp. load | EN 1605 | % | - |
| Water vapour transmission | EN 12086 | 1 | - |
| Water absorption by total immersion | EN ISO 16535 | % | ≤ 3 |
| Reaction to fire | EN 13501-1 | / | E |
| Thermal conductivity | EN 12667 | W/m.K | 0,031 |

* Due to production technology, up to 2% of the surface can be colored differently

| Thickness (mm) | 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 110 | 120 |
|--------------------------|----|------|------|------|------|------|------|------|------|------|------|------|
| R (m ² K/W) | - | 0,60 | 0,95 | 1,25 | 1,60 | 1,90 | 2,25 | 2,55 | 2,90 | 3,20 | 3,50 | 3,85 |
| λ/d (W/m ² K) | - | 1,55 | 1,03 | 0,78 | 0,62 | 0,52 | 0,44 | 0,39 | 0,34 | 0,31 | 0,28 | 0,26 |

| Thickness (mm) | 130 | 140 | 150 | 155 | 160 | 170 | 180 | 190 | 200 | 210 | 220 | 230 |
|--------------------------|------|------|------|------|------|------|------|------|------|------|------|------|
| R (m ² K/W) | 4,15 | 4,50 | 4,80 | 5,00 | 5,15 | 5,45 | 5,80 | 6,10 | 6,45 | 6,75 | 7,05 | 7,40 |
| λ/d (W/m ² K) | 0,24 | 0,22 | 0,21 | 0,20 | 0,19 | 0,18 | 0,17 | 0,16 | 0,16 | 0,15 | 0,14 | 0,13 |

| Thickness (mm) | 240 | 250 | 260 | 270 | 280 | 290 | 300 |
|--------------------------|------|------|------|------|------|------|------|
| R (m ² K/W) | 7,70 | 8,05 | 8,35 | 8,70 | 9,00 | 9,35 | 9,65 |
| λ/d (W/m ² K) | 0,13 | 0,12 | 0,12 | 0,11 | 0,11 | 0,11 | 0,10 |

| | |
|-------------------------|---|
| Field of use | <p>The product is intended for thermal insulation of the plinth of a contact facade with thin-layer plaster (ETICS) above and below the fill level¹, insulation of the edges of reinforced concrete panels, lintels and balconies, and for thermal insulation of the contact facade on walls with higher mechanical loads.</p> <p>¹ In the plinth area and especially below the fill level, the panels must be coated on the surface and edges with a hydrophobic reinforcement layer according to the recommendations of the facade system provider.</p> |
| Application | <p>Depending on the purpose of use, thermal insulation boards are installed by gluing, mechanical fastening or they are freely laid. When applying, it is necessary to follow the application instructions legal regulations.</p> |
| Storage | <p>Product must be stored in a dry areas and protected from direct sunlight, moisture, frost and snow, mechanical damage, dirt and flame. Contact with incompatible materials/chemicals should be avoided.</p> |
| Packaging | <p>Product is packed in PE foil approx. 0.25 m³, palletized approx. 5 m³.</p> |
| Waste management | <p>The waste product must be handled in accordance with the Waste Regulation. The residue or waste of the product is classified as non-hazardous waste, namely as construction waste-plastic (17 02 03). Waste foil belongs to waste plastic packaging (15 01 02) and waste pallets to waste wooden packaging (15 01 03).</p> |
| Certificates | <p>PTD (ITT), FIW München</p> <p>The product is in accordance with SIST EN 13163:2012+A1:2015 and Regulation (EU) No. 305/2011.</p> <p>The quality and environmental management system is in accordance with SIST EN ISO 9001 and SIST EN ISO 14001.</p> <p>Declaration of performance No. DoP-02-TI- 012 / 26 - 01</p> |

