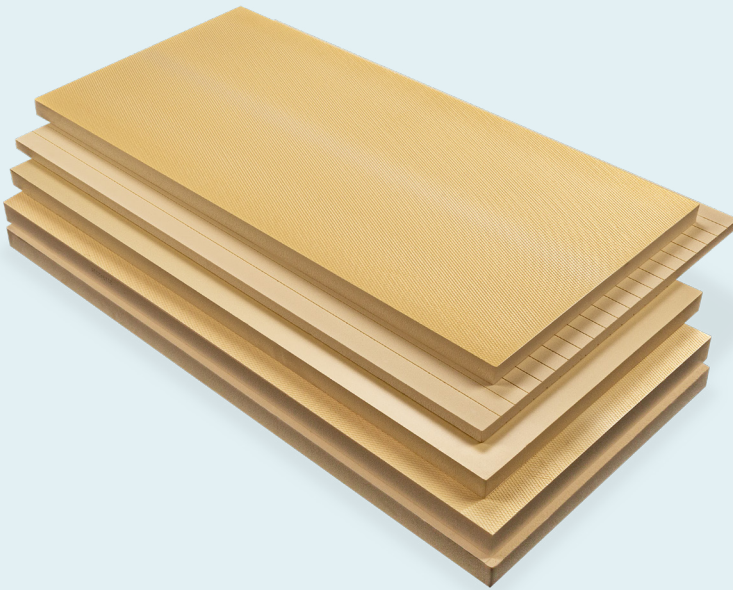


XPS

STYRISOL® XPS boards are yellow closed cell extruded polystyrene for use as thermal insulation.



ADVANTAGES

- high thermal resistance
- minimal water absorption
- high compressive strength
- non-perishable
- resistant to fungus and microbes
- resistant to vermin additive
- self-extinguishing additive
- good workability

SPECIFICATIONS

THICKNESS

from 4 mm until 200 mm

WIDTH

from 450 mm to 1220 mm

LENGTH

from 1200 mm to 3200 mm

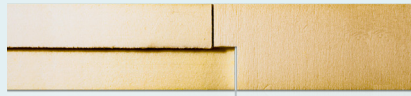


XPS

AVAILABLE EDGE FINISHING



STRAIGHT EDGES



L-CUT



TONGUE & GROOVE

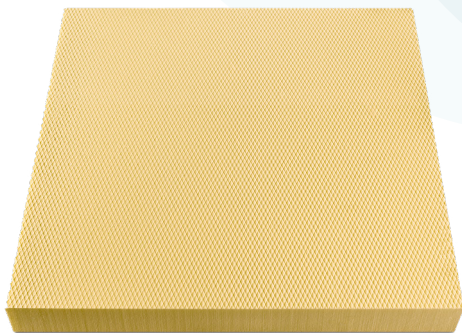
AVAILABLE SURFACES



SMOOTH SURFACE



ROUGH SURFACE



WAFFLED SURFACE



FINE GROOVE SURFACE

XPS

TECHNICAL DATA SHEET FOR SMOOTH AND WAFFLED SURFACE

| | UNITY | GR 300 | GR 500 |
|---|-------------------|---------------------------|-----------------|
| Density | kg/m ³ | 33 +/-3 | 38 +/-3 |
| Lambda value | W/m.K EN 12667 | 20-200mm: 0,035 | 50-200mm: 0,035 |
| Compressive strength by 10% deformation | kPa EN826 | 20<40mm: 250 >40mm 300 | 500 |
| Capilarity | | none | none |
| Water absorption by immersion | %vol EN12087 | ≤ 0,7 | ≤ 0,7 |
| Water absorption by diffusion | %vol EN12088 | ≤ 3,0 | ≤ 3,0 |
| Linear expansion coefficient | mm/mK | 0.07 | 0.07 |
| Fire Class | Euroclass | E | E |
| Temperature resistance | °C | +70/-60 | +70/-60 |

DIMENSIONS FOR SMOOTH AND WAFFLED SURFACES

| | | | |
|-------------------|---|----------|---------|
| LENGTH | 1250mm and 2500mm | | |
| WIDTH | 600mm | | |
| THICKNESS | 20-30-40-50-60-70-80-90-100-120-140-160-180-200MM | | |
| TOLERANCES | LENGTH | > 1500mm | +/-10mm |
| | | ≤ 1500mm | +/-8mm |
| | WIDTH | | +/-8mm |
| | SQUARENESS | ≤ 5mm/m | |
| | THICKNESS | < 50mm | +/- 2mm |
| | | 50-120mm | -2/+3mm |
| | | > 120mm | -2/+6mm |

XPS

PACKAGING UNITS FOR SMOOTH AND WAFFLED BOARDS

| THICKNESS MM | NUMBER OF BOARDS/PACK | M ² PER PACK | | M ³ PER PACK | |
|-----------------|--------------------------|-------------------------|----------|-------------------------|----------|
| | | 1250X600 | 2500X600 | 1250X600 | 2500X600 |
| 20 | 20 | 15.00 | 30.00 | 0.30 | 0.60 |
| 30 | 14 | 10.50 | 21.00 | 0.315 | 0.63 |
| 40 | 10 | 7.50 | 15.00 | 0.30 | 0.60 |
| 50 | 8 | 6.00 | 12.00 | 0.30 | 0.60 |
| 60 | 7 | 5.25 | 10.50 | 0.315 | 0.63 |
| 70 | 6 | 4.50 | 9.00 | 0.315 | 0.63 |
| 80 | 5 | 3.75 | 7.50 | 0.30 | 0.60 |
| 90 | 4 | 3.00 | 6.00 | 0.27 | 0.54 |
| 100 | 4 | 3.00 | 6.00 | 0.30 | 0.60 |
| 120 | 4 | 3.00 | 6.00 | 0.36 | 0.72 |
| 140 | 3 | 2.25 | 4.50 | 0.315 | 0.63 |
| 160 | 3 | 2.25 | 4.50 | 0.36 | 0.72 |
| 180 | 2 | 1.50 | 3.00 | 0.27 | 0.54 |
| 200 | 2 | 1.50 | 3.00 | 0.30 | 0.60 |

THERMAL RESISTANCE FOR SMOOTH AND WAFFLED BOARDS

| THICKNESS | 20MM | 30MM | 40MM | 50MM | 60MM | 70MM | 80MM |
|-----------|------|------|------|------|------|------|------|
| RD | 0.55 | 0.85 | 1.10 | 1.40 | 1.70 | 2.00 | 2.25 |

| THICKNESS | 90MM | 100MM | 120MM | 140MM | 160MM | 180MM | 200MM |
|-----------|------|-------|-------|-------|-------|-------|-------|
| RD | 2.55 | 2.85 | 3.40 | 4.00 | 4.55 | 5.10 | 5.70 |

For all other surface finishings feel free to contact ABRISO/JIFFY NV