

XPS

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

ISOWilms

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EPS • EPS maatwerk • Glaswol • PIR • XPS



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



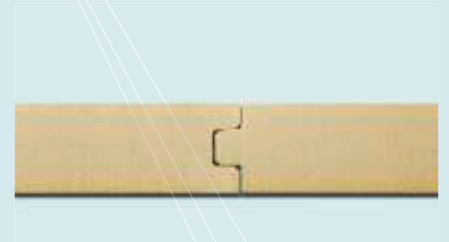
AVAILABLE EDGE FINISHING



STRAIGHT EDGES



L-CUT



TONGUE & GROOVE

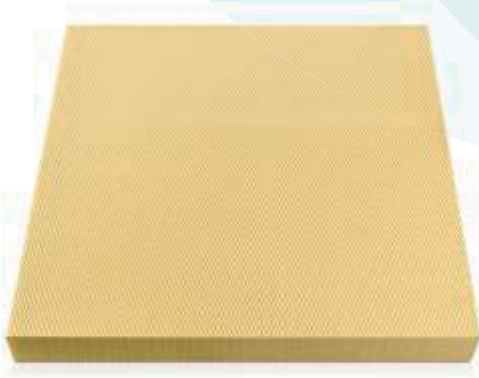
AVAILABLE SURFACES



SMOOTH SURFACE



ROUGH SURFACE



WAFFLED SURFACE



FINE GROOVE SURFACE

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		

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