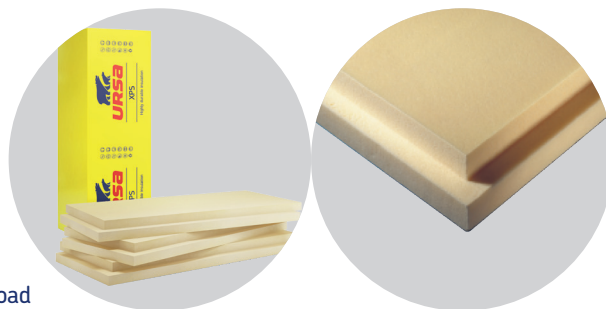


## URSA XPS N-III-L

Rigid extruded polystyrene foam boards, type Natur III, produced in foaming process with CO<sub>2</sub>, without Freon content.

The form of the edge: stepped edge (L)



Field of application:

- External roof insulation, weatherproof, (inverted roof), heavy compressive load
- External ceiling or roof insulation, weatherproof, insulation under roofing (e.g. insulation on rafters)
- External ceiling or roof insulation, weatherproof, insulation under hydro insulation, heavy compressive load (e.g. warm roof)
- Internal ceiling insulation (on bottom side or roof, insulation under rafters/supporting construction, suspended ceiling)
- Internal ceiling insulation or floor slab insulation (on the upper side) under screed, without requirements for sound insulation, heavy compressive load
- Insulation of two-layer walls
- Internal wall insulation
- Thermal insulation of external ground wall (out of hydro insulation), heavy compressive load
- Thermal insulation under floor slab in ground level (out of hydro insulation), heavy compressive load



Technical data	Value												Units	Standards
Thickness	30	40	50	60	80	100	120	140	160	180	200	mm		
Declared thermal conductivity ( $\lambda_p$ )	0,032	0,033	0,034	0,034	0,035	0,035	0,035	0,035	0,035	0,036	0,036	W(m·K)	EN 13164	
Declared thermal resistance ( $R_p$ )	0,90	1,25	1,50	1,80	2,30	2,85	3,45	4,00	4,60	5,15	5,70	m <sup>2</sup> K/W		

Technical data	Value	Symbols	Units	Standards
Fire resistance performance according to DIN	B1 (low flammability)			DIN 4102
Fire resistance performance according to EN (Euro class)	E			EN 13501-1
Compressive strength at 10% deformation	300	CS(10Y)300	kPa	EN 826
Compressive strength for a permanent load of 50 years by the deflection $\leq 2\%$	130	CC(2/1,5/50)130	kPa	EN 1606
Tensile strength perpendicular to faces	200	CC(2/1,5/50)110	kPa	EN 1606
Dimensional change at 90% relative humidity and 70 ° C	$\leq 5$	DS(70,90)	%	EN 1604
The dimensional change of a pressure load of 40 kPa and 70 ° C	$\leq 5$	DLT(2)5	%	EN 1605
Long term water absorption by immersion (28 days)	$< 0,7$	WL(T)0,7	%	EN 12087
Long-term water absorption by diffusion**	$< 1$	WD(V)1	% vol.	EN 12088
Water vapor diffusion resistance	100	MU(i)	$\mu$	EN 12086
Capillarity	0			
Linear expansion coefficient	0,07		mm/(m·K)	UNI 6348
Freeze-thaw resistance after long term water absorption by diffusion	$< 1$	FTCD(i)	% vol.	EN 823
Freeze-thaw resistance after long term water absorption by total immersion	$< 1$	FTCI	% vol.	EN 823
Temperature limit of usage	-50 to +75 °C		°C	
Specific heat	1450		J/(kgK)	EN ISO 10456

Width [mm]	600
Length[mm]	1250

**CE** The product complies requirements of Decree M/103, which is laid down in the Council Directive for construction products (89/106/EGS) and is in accordance with the European standard EN 13164.

\*\* (linear interpolation of medium thickness)

URSA Slovenija, d.o.o. reserves the right to change the technical data sheet arising from new findings.

URSA Slovenija, d.o.o.  
Povhova ulica 2, 8000 Novo mesto  
[www.ursa.si](http://www.ursa.si)

+386 7 39 18 349  
+386 7 39 18 444

