

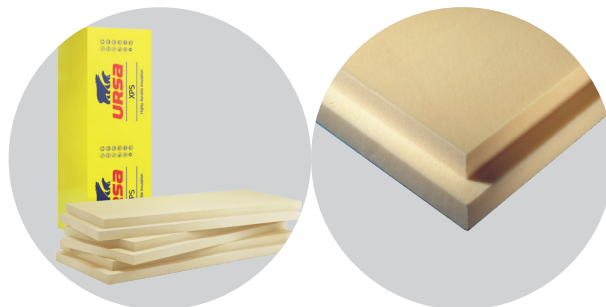
## URSA XPS N-V-L

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:

- 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
- 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)
- External roof insulation, weatherproof, (inverted roof), heavy compressive load
- Industrial floors, parking spaces



Technical data	Value						Units	Standards
Thickness	40	50	60	80	100	120	mm	
Declared thermal conductivity ( $\lambda_D$ )	0,033	0,033	0,034	0,035	0,035	0,035	W(m·K)	EN 13164
Declared thermal resistance ( $R_D$ )	1,25	1,55	1,80	2,30	2,90	3,60	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	≥ 500	CS(10\Y)500	kPa	EN 826
Compressive strength for a permanent load of 50 years by the deflection ≤ 2%	180	CC(2/1,5/50)180	kPa	EN 1606
Dimensional change at 90% relative humidity and 70 ° C	≤ 5	DS(70,90)	%	EN 1604
The dimensional change of a pressure load of 40 kPa and 70 ° C	≤ 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	< 2	WD(V)3	% vol.	EN 12088
Water vapor diffusion resistance	100	MU(i)	μ	EN 12086
Linear expansion coefficient	/		mm/(m·K)	UNI 6348
Resistance to freezing / thawing after a 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	
Specific heat	1450		J/(kgK)	EN ISO 10456

Width [mm]	600
Length[mm]	1250

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



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.

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

