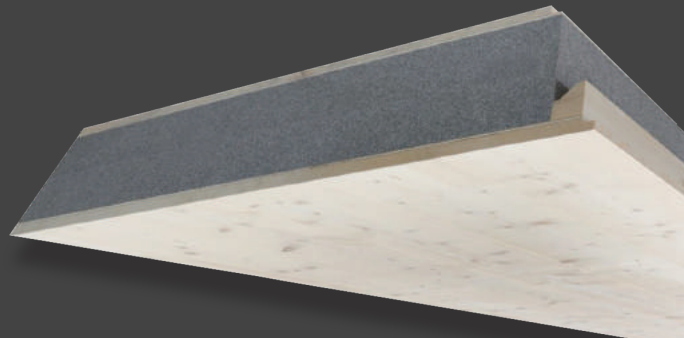




NLP
NELIPAN
Patented



R > 9

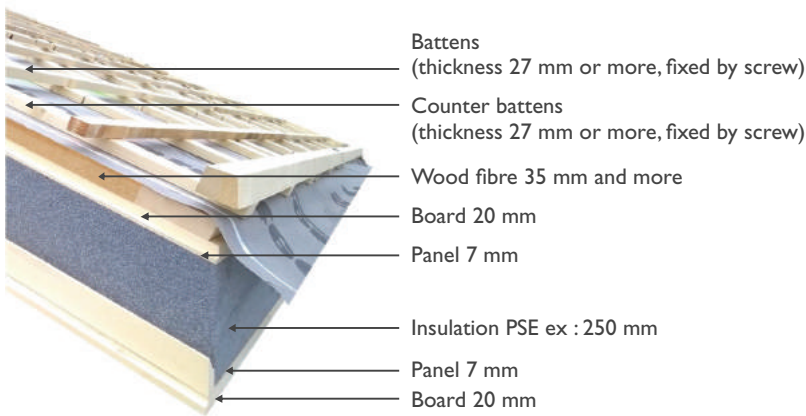


**The composite insulated timber
roof, custom-made,
in large panel format**


SIMONIN
Wood Solutions

Product

- Composition for $R=9,3 \text{ m}^2.K/W$ (Product reference : $\surd 9,3$)



- Dimensions

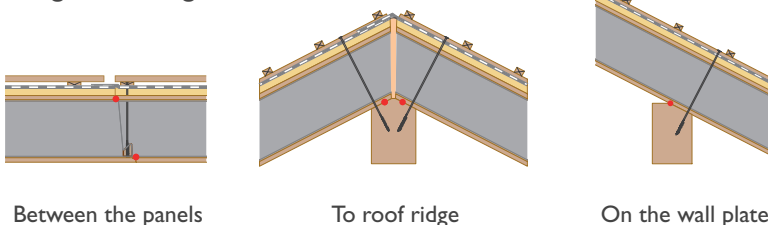
Length	Useful width	Thickness
Any length possible (limited only by transport, and/or site space/access)	1050 mm and 2100 mm as default dimensions (or site specific dimensions between 0 and 2100 mm)	Wood thickness 20+7 mm
		+ EPS thickness * 250 mm
		+ Wood thickness 20+7 mm
		+ Wood fiber thickness * 35 mm
		\surd LP thickness 339 mm (without battens)

* For other thickness please, contact us .

- Weight : 41 Kg/m² (with 27 mm battens)

High thermal resistance

- Adapted to : **Minergie, RT2020, Passivhaus ...**
- Thermal resistance $> 9 \text{ m}^2.K/W$
- No thermal bridge :
 - at all points of the panel
 - at the panels edges
- Integrated airtightness :



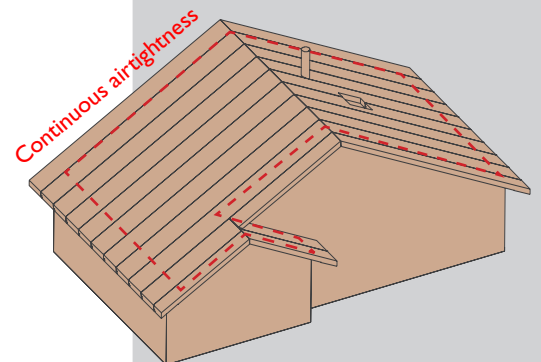
Delivered cut to measure

- Any possibilities of cutting (upon request)
- Any type of integration and aperture made possible in the workshop
Eg : windows, chimney, ventilation ...
- Good adaptation in all type of projects

Ready to cover for any type of roofing



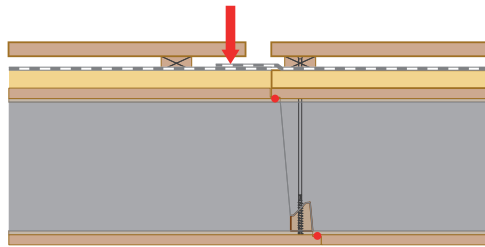
Finished wood under-face



Easy and quick to install

- Mastered planning
Timber ceiling and upper layer, insulation, airtight, watertight, counter battens, and battens, **in one single operation** .

- Immediately watertight and airtight
Adhesives and seals prepared in the workshop



- Fasteners for the panels lifting positioned during manufacture
- Fascia boards integrated

Assured safety

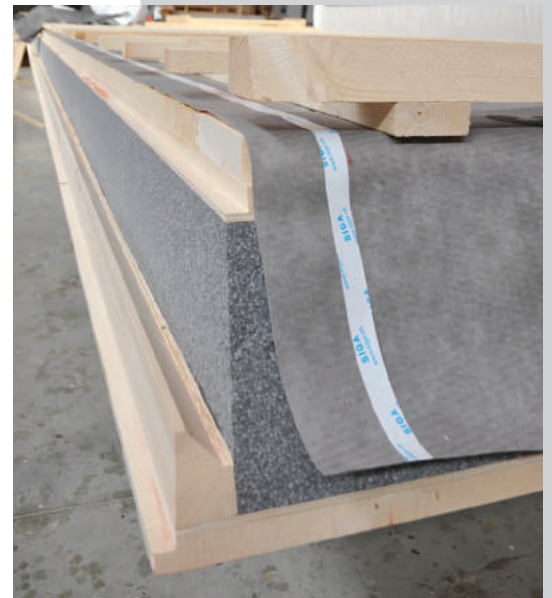
- Safety equipment fixed on the panels before lifting (lifeline, railing support, ...)
- Non-slippery roof panels
- No work at height after the installation :
 - Internal and external faces finished in the workshop
 - no inside seals to install
 - no roof overhang to paint

No waste on site

- No packaging : no plastic (delivered by covered trucks)
- No cut on site, no waste :
 - no wood
 - no EPS
 - no wood fire
 - no rainscreen

} **No waste collection cost**

Compliant to the requirement concerning building construction wastes .

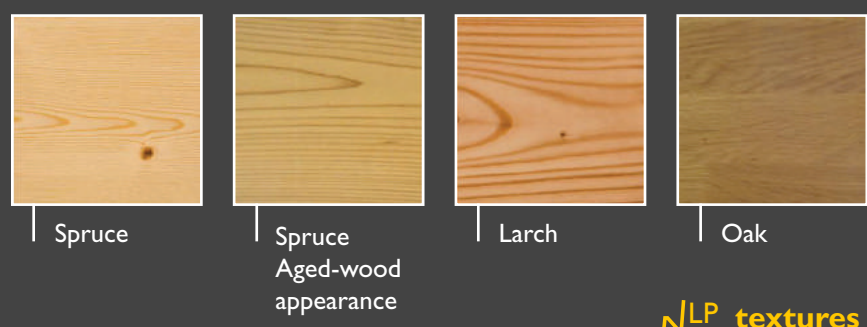


Finishes

The NLP is available with different ceiling appearances .
Here are the possibilities :

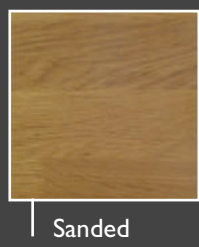
NLP wood species

Available on the underface



NLP textures

Available on the underface



NLP finishes

Available on the underface



Other colours available on request (paint, wood stain and saturator) .

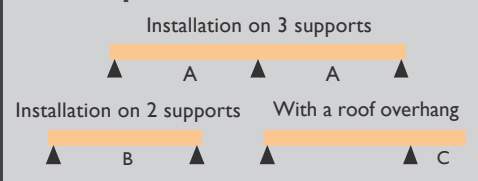


Other textures and finishes will soon be available (on request) .
Photos are not binding .
For any other wood species, please contact us .



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Wide span

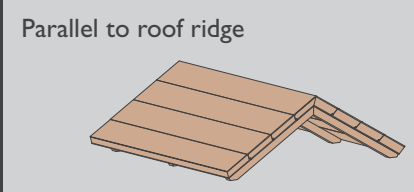
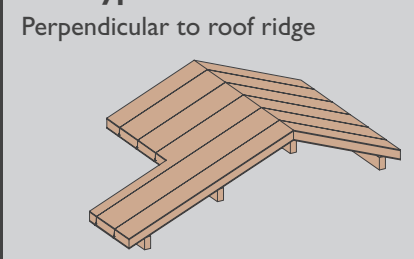


Acceptable span (in ml) for NLP thickness 339 mm

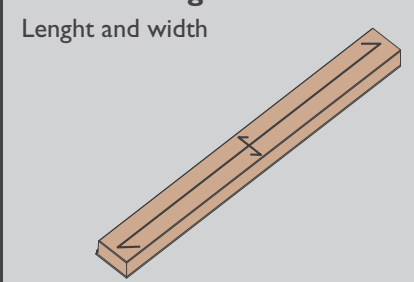
	3 supports (A) 2 supports (B) Roof overhang (C)	NLP JELIPAN		
		A	B	C
Distributed vertical charge (daN/m ²)	100	6,00	4,80	2,00*
	150	6,00	4,80	1,90*
	200	6,00	4,80	1,80*
	400	3,90	3,10	1,20*

* No limits in altitude

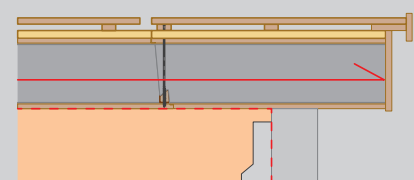
Two type of installation



Load bearing in both direction



No bearing structure on the roof overhang (to be determined depending on weight)



Mastered insulation
Controlled airtightness

Standard profile chamfered

