

LVL by Stora Enso

Rib panels

Fact sheet



LVL Rib Panels by Stora Enso are efficient loadbearing building components for floor and roof applications. Stora Enso LVL Rib Panels allow more flexible design, removing unwanted columns and creating more open space. On building site these ready made LVL rib panel elements will allow you to build faster and more efficiently. These building components are benefiting from Stora Enso LVL technical performance leading to lower weight, less material, more stable and cost efficient solution for your benefit.

Longer with Less



LVL Rib Panels by Stora Enso are CE marked. ETA number 18/1132



All wood PEFC certified
FSC available upon request
Environmental Product Declaration available from www.storaenso.com/lvl

Key benefits

- Ready-to-install elements
- Long spans from 5 m to up to 20 m
- Excellent size accuracy
- Fast installation on site, up to 1000 m² installation per day
- Light and stiff structure
- Fire protection up to REI120 possible
- High strength and stiffness with lightweight construction
- All wood PEFC certified
- Wide roof overhangs
- FSC available upon request
- Large spans without supporting partition walls or Support
- Strict internal and external monitoring ensures the high quality

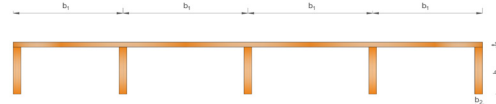
www.storaenso.com/lvl



Stora Enso LVL Rib Panels - types

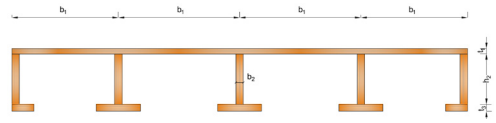
Open type

best for short span floors and non-insulated roofs



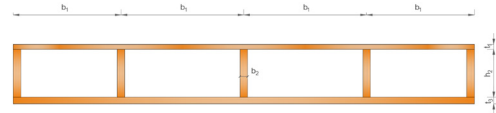
Semi-open type

best for apartment, school or office building floor elements



Closed type

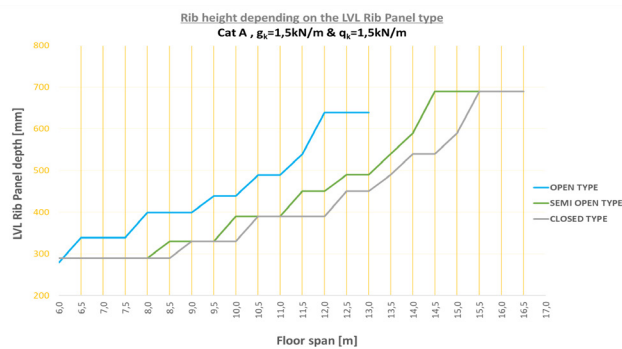
best for long span roof elements



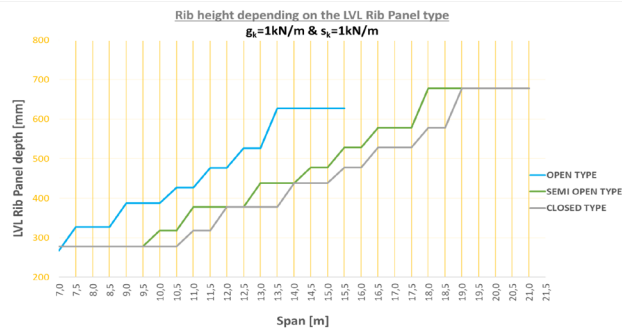
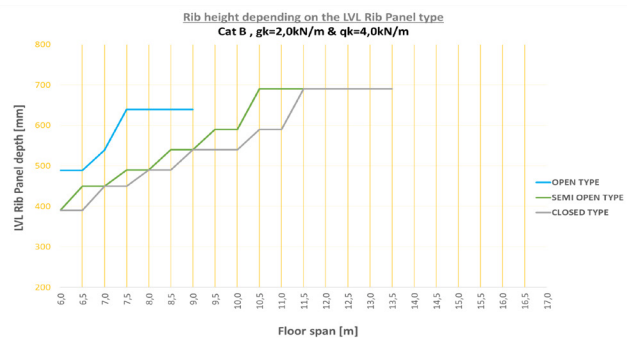
LVL RP by Stora Enso are available
Widths 1.0–2.5 m
Length up to 20 m

Ask more about ready made insulations and other features from your sales contact.

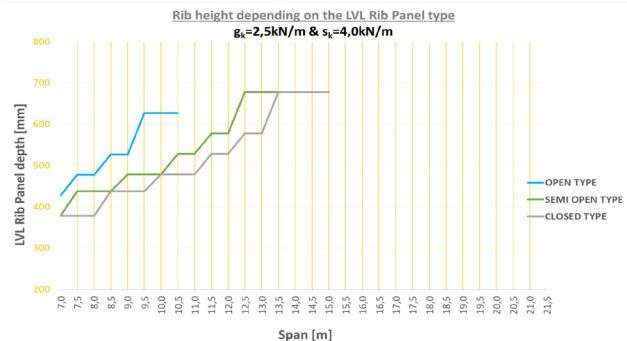
Key technical properties



Example of span tables for floor application.



Example of span tables for roof application.



Example comparison to other building materials

Comparison to concrete slab as residential floor slab.

	Dead Load g_k , kN/m	Live Load q_k , kN/m	Span [m]	Thickness [cm]	Weight [kg/m ²]
LVL Rib Panel, semi-open type	1,5	2,0	7,5	33	40
Solid concrete slab	1,5	2,0	7,5	34	250

All numbers above are generic and just for demonstration purposes only.

Design tools and further help – contact Stora Enso Sales

www.storaenso.com/lvl

<https://www.storaenso.com/calculatis>

<https://www.storaenso.com/bim>