



lambdapor[®] generation2

More performance.
Optimised efficiency.

sunp•r[®]
EPS and more ...



lambdapor®

An innovation that continues to set standards.

25 years ago, we enriched the structures of EPS cells with the finest graphite particles, and with lambdapor® developed a “super insulator” that set standards in building insulation. To this day, there is no other material with comparable insulation power that can provide the same level of insulation and still be used economically in building insulation.

Nevertheless, we continuously research solutions to optimize the use of valuable raw materials. With the new **lambdapor® generation2**, we have succeeded in improving EPS quality while significantly reducing processing costs.

» We are driven by the desire
to shape the future. «

lambdapor[®] generation2

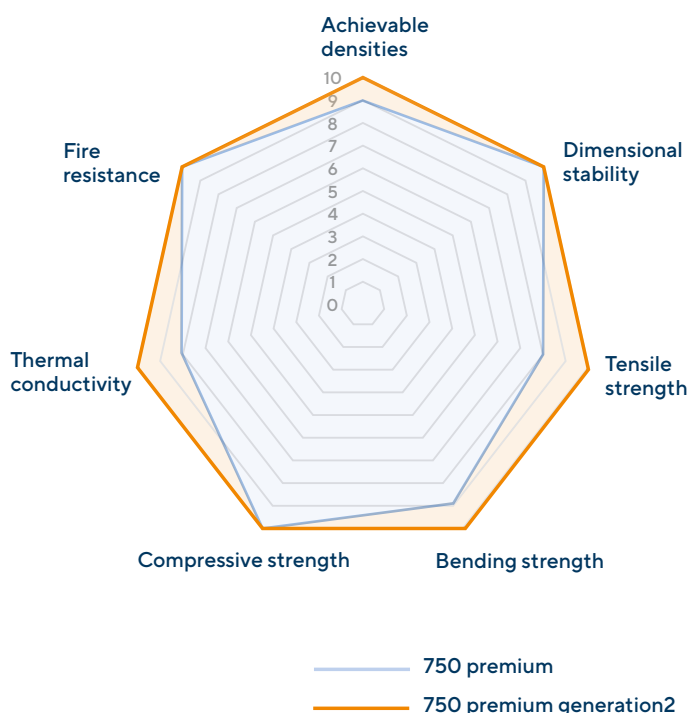
The impressive result of an intensive development process.

Optimised production technology leads to even better product characteristics. We have conducted extensive research, testing, and did not settle for minor improvements. As a result, our customers benefit from a clear competitive advantage.

Saves time, energy and material during processing.

Higher quality

lambdapor[®] continues to set standards in building insulation to this day. Nevertheless, with the new lambdapor[®] generation2, we have once again achieved **significant improvements** – higher mechanical strength and lower thermal conductivity.





lambdapor® generation2 impresses with enormous performance capabilities.

To ensure you fully benefit from all advantages, our product management team will assist you during the transition.

Less time required

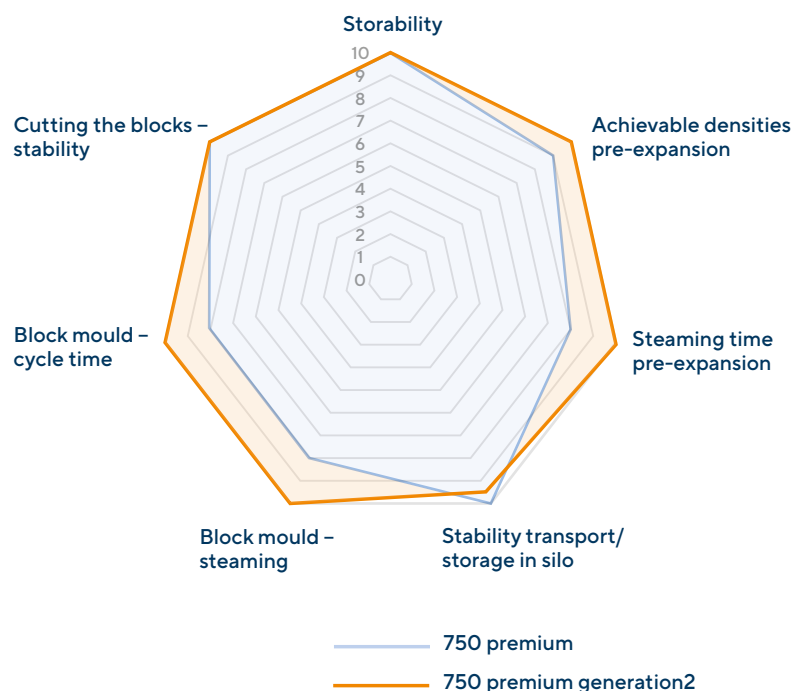
Shorter cycle and steaming times create a decisive time advantage.

Less energy consumption

Reduced steam consumption during pre-expansion improves energy efficiency.

Less material costs

Material can be saved by achieving a lower density.



lambdapor[®] generation2

Our understanding of the future.

We asked ourselves what improvements our customers need. In which direction development must continue to meet current requirements. This resulted in an optimized product that precisely meets these demands.



Achieving the best together.



Higher tensile strength

Mechanical values have been improved by up to 20%, depending on the amount of regenerate used and the steaming duration.



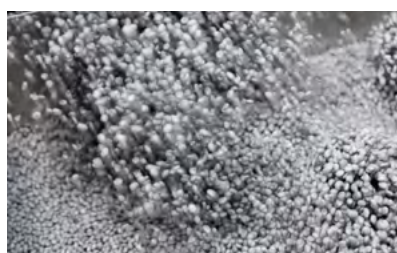
Lower thermal conductivity

Enhanced insulative properties due to more consistent and lower thermal conductivity values. For details visit sunpor.at.



Shorter cycle times

Due to higher steam sensitivity, the steaming time is reduced by up to 10%.



Reduced steaming

The faster reacting material makes it possible to reduce the steam pressure during pre-expansion.

lambdapor[®] generation2

This is how efficient your product can be.

Technical data

	lambdapor [®] 750 gen2	lambdapor [®] 750 premium gen2	lambdapor [®] 753 premium gen2
FLAME RETARDENT	yes	yes	yes
INSULATION PERFORMANCE	●●	●●●	●●●
TYPICAL GRANULATE DIAMETER	1.1 – 1.8 mm	1.1 – 1.8 mm	0.7 – 1.3 mm
TYPICAL DENSITY RANGE	11 – 18 kg/m ³	11 – 18 kg/m ³	11 – 25 kg/m ³
PENTANE CONTENT (at time of packaging)	≈ 5.5 % by wt.	≈ 5.5 % by wt.	≈ 5.5 % by wt.
WATER CONTENT (at time of packaging)	< 0.3 % by wt.	< 0.3 % by wt.	< 0.3 % by wt.
sunpor -EPS is 100% recyclable.			



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