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MOLDING



**rEPS FOR BUILDING  
APPLICATIONS**  
INSULATING AND SUSTAINABLE

## rEPS LOW LAMBDA AND rEPS FLAME-RETARDANT OFFER EXCEPTIONAL PROPERTIES FOR LOW-EMISSION BUILDING.

Storopack's two groundbreaking recycled EPS raw materials with RecyClass certification: rEPS Low Lambda and rEPS Flame-Retardant are engineered for high-performance insulation and technical molded parts. Both materials have exceptional properties and contribute to significantly reducing environmental impacts in EPD and FDES product evaluations, as well as fulfil RE2020 standards in France for new buildings.

### PRODUCED IN-HOUSE AND WITH RecyClass CERTIFICATION

Both materials are produced in one of Storopack's European locations where not only the rEPS raw material contains at least 88% recycled content, but where the production process is also RecyClass certified, supporting closed-loop recycling and upcycling of EPS. rEPS contains physical recycled content; it is recycled by direct recycling and not a mass balance calculation. Furthermore, rEPS is designed to avoid microplastics by its non-friable properties.



## rEPS FLAME-RETARDANT

rEPS Flame-Retardant is another product innovation from Storopack: It is the first fire and flame-retardant EPS made from 95% recycled content for molded parts on the market. Certified to EN 13501 Class E, it meets EU requirements for EPS, making it ideal for external insulation panels (ETICS), window components, and HVAC systems. The flame-retardant raw material is fully recyclable. This makes it a sustainable alternative to virgin EPS and is a great solution for customers who want low-emission buildings.

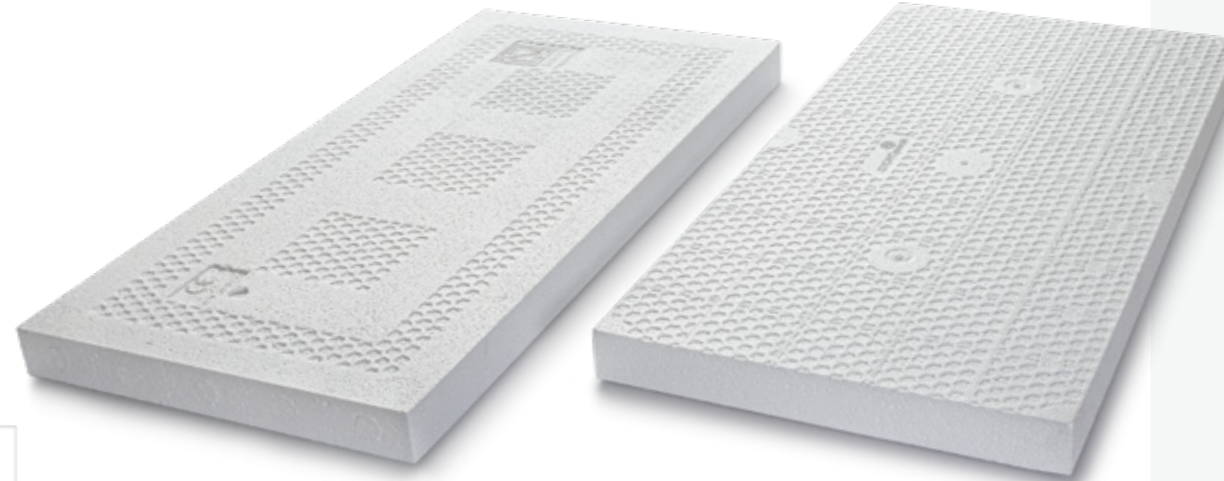
### rEPS FR AT A GLANCE

- ▶ RECYCLED AND FLAME-RETARDANT RAW MATERIAL, CERTIFIED FIRE REGULATION EN 13501 CLASS E
- ▶ SUSTAINABLE ALTERNATIVE TO EPS FIRE RETARDANT
- ▶ USE OF AT LEAST 95% RECYCLED MATERIAL WHICH IS RecyClass CERTIFIED
- ▶ SUITABLE FOR APPLICATIONS LIKE ETICS AND WINDOWS IN CONSTRUCTION AND HVAC INDUSTRIES



## rEPS LOW LAMBDA

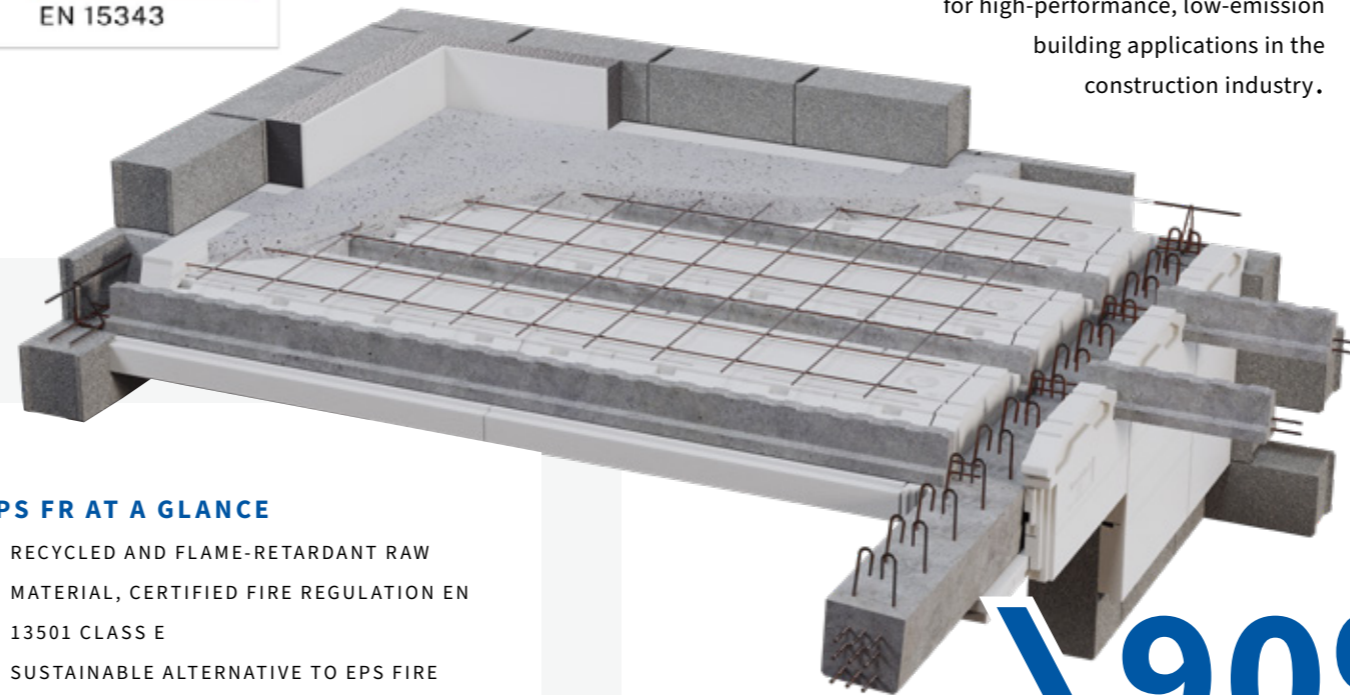
rEPS Low Lambda has perfect mechanical properties and a lower lambda value than standard EPS with a value of 0.031-0.032 W/m.K (at 25 kg/m3). It is perfect for insulation thanks to its innovative cell configuration to improve thermal resistance. rEPS Low Lambda is designed for circularity: It is easily recyclable in mechanical recycling processes and is composed mainly of recycled material with 88% recycled content guaranteed by RecyClass certification. rEPS Low Lambda from Storopack is the first fully recyclable, graphite-free raw material representing a significant sustainable solution for the construction industry.



rEPS Low Lambda and rEPS Flame-Retardant are both ideal for high-performance, low-emission building applications in the construction industry.

### rEPS LL AT A GLANCE

- ▶ RECYCLED RAW MATERIAL WITH BETTER THERMAL CONDUCTIVITY COMPARED TO EPS OR rEPS
- ▶ SUSTAINABLE ALTERNATIVE TO GRAPHITE EPS
- ▶ USE OF AT LEAST 88% RECYCLED MATERIAL WHICH IS RecyClass CERTIFIED
- ▶ SUITABLE FOR APPLICATIONS LIKE INSULATED CONSTRUCTION OR MOLDED PARTS FOR CONSTRUCTION AND HVAC



↓ 90%  
less CO<sub>2</sub> emissions\*

### SUSTAINABLE INNOVATION

The LCA certification proves that both new raw materials cut CO<sub>2</sub> emissions by up to 90% compared to virgin EPS, phase A1, method 15804+A2.

## **STOROPACK – PERFECT PROTECTIVE PACKAGING**

Wherever in the world you send your products, we want them to be well protected while in transit.

## **rEPS LOW LAMBDA AND rEPS FLAME-RETARDANT MEANS SUSTAINABLE INNOVATION AND SMARTER INSULATION.**

rEPS Low Lambda and rEPS Flame-Retardant are engineered for high-performance insulation and technical molded parts in industries like construction, HVAC, and temperature-controlled packaging. Both materials are mainly composed of recycled material and contribute to significantly reducing environmental impacts while offering exceptional properties.

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