

The logo for sunp.r features the text "sunp.r" in a white, lowercase, sans-serif font. A small registered trademark symbol (®) is located at the top right of the letter "r". Below the text is a horizontal orange oval shape that is slightly wider than the text above it.

**sunp.r**<sup>®</sup>

EPS and more ...

Summary of grade range



# lambdapor®

## Grey EPS

### Summary of grade range

PRODUCT	Block mould	Shape mould	Flame retardant	Insulation performance	Typical granulate diameter	Density range	Typical applications
> lambdapor® 750	✓		✓	●●	1.1 - 1.8 mm	11 - 18 kg/m <sup>3</sup>	External insulation (ETICS, rear-ventilated facade); pitched roof and flat roof insulation; loft insulation, floor insulation, ceiling insulation
> lambdapor® 750 premium	✓		✓	●●●	1.1 - 1.8 mm	11 - 18 kg/m <sup>3</sup>	'Passive House' insulation; applications which require the best insulation value
> lambdapor® 753	✓	✓	✓	●●	0.7 - 1.3 mm	11 - 30 kg/m <sup>3</sup>	ICFs; mouldings for construction applications (e.g. rolling shutter box, rafter insulation); insulation elements with superior mechanical strength
> lambdapor® 753 premium	✓	✓	✓	●●●	0.7 - 1.3 mm	11 - 25 kg/m <sup>3</sup>	Many applications requiring the best insulation value; cavity wall loose fill
> lambdapor® roof		✓	✓	●●	0.7 - 1.3 mm	25 - 35 kg/m <sup>3</sup>	Water resistant parts such as perimeter boards and panels for inverted roofs
> lambdapor® 750 STD premium	✓			●●●	1.1 - 1.8 mm	11 - 18 kg/m <sup>3</sup>	Improved lambda insulation applications without specific requirement for flame retardancy (e.g. Doublage)
> lambdapor® micro STD		✓		●●	0.6 - 1.2 mm	20 - 30 kg/m <sup>3</sup>	Shape moulded parts with the best insulation value

**Please note:** Figures quoted represent typical values. Product specifications can be found on the respective technical data sheets.

# sunpor® STD and SE

## White EPS

### Summary of grade range

PRODUCT	Block mould	Shape mould	Flame retardant	Typical granulate diameter	Density range	Typical applications
<b>STD</b>						
> sunpor® A243	✓			1.0 - 1.6 mm	9 - 15 kg/m <sup>3</sup>	Lower and medium density blocks
> sunpor® A321	✓	✓		0.7 - 1.1 mm	15 - 30 kg/m <sup>3</sup>	Block and shape mouldings
> sunpor® A323		✓		0.7 - 1.1 mm	15 - 60 kg/m <sup>3</sup>	Special grade for very short cycle times
> sunpor® A422	✓	✓		0.3 - 0.8 mm	18 - 30 kg/m <sup>3</sup>	Shape mouldings with thinner walls
> sunpor® A423		✓		0.3 - 0.8 mm	18 - 60 kg/m <sup>3</sup>	Special grade for very short cycle times
<b>SE</b>						
> sunpor® A145	✓		✓	1.85 - 2.5 mm	8 - 14 kg/m <sup>3</sup>	Lower density and soundproofing blocks
> sunpor® A245	✓		✓	1.0 - 1.85 mm	14 - 20 kg/m <sup>3</sup>	Classic block moulding grade
> sunpor® A355	✓	✓	✓	0.6 - 1.1 mm	15 - 25 kg/m <sup>3</sup>	Block and shape mouldings with flame retardancy
> sunpor® A415			✓	0.3 - 0.8 mm	12 - 18 kg/m <sup>3</sup>	Mix into light weight plaster or concrete
> sunpor® A452		✓	✓	0.3 - 0.8 mm	18 - 30 kg/m <sup>3</sup>	Light shape mouldings of high strength

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# suncolor®

## Coloured EPS

### Summary of grade range

PRODUCT	Number	Granulate geometry	Typical granulate diameter	Density range	Colour	Typical applications
<b>suncolor® helmet grades</b>						
> suncolor® exquisit	778	cylindrical	Ø: 0.8 mm   L: 1.5 mm	20 - 120 kg/m <sup>3</sup>	black	Helmets, special shape mouldings
> suncolor® protect	768	cylindrical	Ø: 0.8 mm   L: 1.5 mm	40 - 120 kg/m <sup>3</sup>	black	
> suncolor® protect micro	768xu	spherical	0.6 - 1.2 mm	20 - 120 kg/m <sup>3</sup>	black	
> suncolor® superfusion	788	cylindrical	Ø: 0.8 mm   L: 1.5 mm	20 - 120 kg/m <sup>3</sup>	black	
<b>suncolor® micro (special grades available on request)</b>						
> suncolor® micro blue	741u	spherical	0.6 - 1.2 mm	20 - 100 kg/m <sup>3</sup>	blue	Packaging, special shape mouldings
> suncolor® micro light blue	741Au	spherical	0.6 - 1.2 mm	20 - 100 kg/m <sup>3</sup>	light blue	
> suncolor® micro yellow	742u	spherical	0.6 - 1.2 mm	20 - 100 kg/m <sup>3</sup>	yellow	
> suncolor® micro green	743u	spherical	0.6 - 1.2 mm	20 - 100 kg/m <sup>3</sup>	green	
> suncolor® micro grey	744Au	spherical	0.6 - 1.2 mm	20 - 100 kg/m <sup>3</sup>	grey	
> suncolor® micro brown	745u	spherical	0.6 - 1.2 mm	20 - 100 kg/m <sup>3</sup>	brown	
> suncolor® micro olive	746u	spherical	0.6 - 1.2 mm	20 - 100 kg/m <sup>3</sup>	olive	
> suncolor® micro anthracite	748u	spherical	0.6 - 1.2 mm	20 - 100 kg/m <sup>3</sup>	anthracite	

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# more than EPS

## Special solutions



### Summary of grade range

PRODUCT	Block mould	Shape mould	Flame retardant	Typical granulate diameter	Density range	Colour	Typical applications
> powerpor® 2	✓	✓		1.0 - 1.6 mm	13 - 30 kg/m <sup>3</sup>	white	Blocks and larger shape mouldings with increased strength
> powerpor® 3		✓		0.7 - 1.1 mm	18 - 30 kg/m <sup>3</sup>	white	Special grade for increased strength shape moulding
> terrapor® 3	✓	✓	✓	0.6 - 1.1 mm	20 - 40 kg/m <sup>3</sup>	white, blue, green, pink, anthracite, yellow	Perimeter insulation, fast cooling grade
> terrapor® 4		✓	✓	0.3 - 0.8 mm	22 - 40 kg/m <sup>3</sup>	white	Perimeter insulation, fast cooling grade, for low wall thickness
> roofpor®		✓	✓	0.6 - 1.1 mm	25 - 35 kg/m <sup>3</sup>	white, blue, green	Perimeter insulation, inverted roofing
> suncolor® PPE		✓		0.6 - 1.2 mm	25 - 150 kg/m <sup>3</sup>	grey	High temperature applications

#### ready for use

> sunpor® HP150	✓	✓		1.4 - 3.15 mm	150kg/m <sup>3</sup>	anthracite	High density, high strength moulded parts with excellent insulation value and ability to accept screw connection
> lambdalit® 230	✓	✓		1.8 - 3.55 mm	230 kg/m <sup>3</sup>	anthracite	
> lambdalit® 320	✓	✓		1.8 - 3.15 mm	320 kg/m <sup>3</sup>	anthracite	
> lambdalit® 410	✓	✓		1.8 - 3.15 mm	410 kg/m <sup>3</sup>	anthracite	


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# more circularity

The future lies in the circle



## Summary of grade range

PRODUCT	Recycled EPS	Certification	Flame retardant	Insulation performance	Typical granulate diameter	Density range	Typical applications
> <b>lambdapor® 750 R15</b>	15 % by wt.		yes	●●	1.1 - 1.8 mm	13 - 20 kg/m <sup>3</sup>	External insulation (ETICS, rear-ventilated facade); pitched roof and flat roof insulation; loft insulation, floor insulation, ceiling insulation

PRODUCT	Post-consumer recycled EPS	Certification	Flame retardant	Typical granulate diameter	Density range	Typical applications
> <b>repor® 33</b>	33 % by wt.		no	0.7 - 1.2 mm	15 - 30 kg/m <sup>3</sup>	Shape mouldings for packaging (e.g. for white goods)

PRODUCT	Recycled EPS	Colour	Flame retardant	Typical granulate diameter	Density range	Typical applications
> <b>suncolor® circolor 100</b>	100 % by wt.	black (738 xu)	no	0.6 - 1.2 mm	40 - 120 kg/m <sup>3</sup>	Helmets, special shape mouldings

PRODUCT	Density	Size	Colour	Ball rebound (EN 12253)	Force Reduction	Typical applications
> <b>sunpor® bio infill</b>	200 kg/m <sup>3</sup>	2.5 - 3.0 mm	RAL6017	0.87 m	74 %	Infill systems (e.g. artificial turf fields)

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