

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 'r'. A thick, orange horizontal line is positioned directly beneath the text, extending slightly beyond the 'r' on both sides.

sunp.r[®]

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 ³	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 ³	'Passive House' insulation; applications which require the best insulation value
> lambdapor® 753	✓	✓	✓	●●	0.7 - 1.3 mm	11 - 30 kg/m ³	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 ³	Many applications requiring the best insulation value; cavity wall loose fill
> lambdapor® roof		✓	✓	●●	0.7 - 1.3 mm	25 - 35 kg/m ³	Water resistant parts such as perimeter boards and panels for inverted roofs
> lambdapor® 750 STD	✓			●●	1.1 - 1.8 mm	11 - 18 kg/m ³	Insulation application without specific requirement for flame retardancy (e.g. Doublage)
> lambdapor® 750 STD premium	✓			●●●	1.1 - 1.8 mm	11 - 18 kg/m ³	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 ³	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
STD						
> sunpor® A243	✓			1.0 - 1.6 mm	9 - 15 kg/m ³	Lower and medium density blocks
> sunpor® A321	✓	✓		0.7 - 1.1 mm	15 - 30 kg/m ³	Block and shape mouldings
> sunpor® A323		✓		0.7 - 1.1 mm	15 - 60 kg/m ³	Special grade for very short cycle times
> sunpor® A422	✓	✓		0.3 - 0.8 mm	18 - 30 kg/m ³	Shape mouldings with thinner walls
> sunpor® A423		✓		0.3 - 0.8 mm	18 - 60 kg/m ³	Special grade for very short cycle times
SE						
> sunpor® A145	✓		✓	1.85 - 2.5 mm	8 - 14 kg/m ³	Lower density and soundproofing blocks
> sunpor® A245	✓		✓	1.0 - 1.85 mm	14 - 20 kg/m ³	Classic block moulding grade
> sunpor® A355	✓	✓	✓	0.6 - 1.1 mm	15 - 25 kg/m ³	Block and shape mouldings with flame retardancy
> sunpor® A415			✓	0.3 - 0.8 mm	12 - 18 kg/m ³	Mix into light weight plaster or concrete
> sunpor® A452		✓	✓	0.3 - 0.8 mm	18 - 30 kg/m ³	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
suncolor® helmet grades						
> suncolor® exquisit black	778	cylindrical	Ø: 0.8 mm L: 1.5 mm	20 - 120 kg/m ³	black	Helmets, special shape mouldings
> suncolor® exquisit grey	774A	cylindrical	Ø: 0.8 mm L: 1.5 mm	20 - 120 kg/m ³	grey	
> suncolor® protect	768	cylindrical	Ø: 0.8 mm L: 1.5 mm	40 - 120 kg/m ³	black	
> suncolor® protect micro	768xu	spherical	0.6 - 1.2 mm	20 - 120 kg/m ³	black	
> suncolor® superblack	758xu	spherical	0.6 - 1.2 mm	40 - 120 kg/m ³	superblack	
> suncolor® superfusion	788	cylindrical	Ø: 0.8 mm L: 1.5 mm	20 - 120 kg/m ³	black	
suncolor® micro (special grades available on request)						
> suncolor® micro blue	741u	spherical	0.6 - 1.2 mm	20 - 100 kg/m ³	blue	Packaging, special shape mouldings
> suncolor® micro light blue	741Au	spherical	0.6 - 1.2 mm	20 - 100 kg/m ³	light blue	
> suncolor® micro yellow	742u	spherical	0.6 - 1.2 mm	20 - 100 kg/m ³	yellow	
> suncolor® micro green	743u	spherical	0.6 - 1.2 mm	20 - 100 kg/m ³	green	
> suncolor® micro grey	744Au	spherical	0.6 - 1.2 mm	20 - 100 kg/m ³	grey	
> suncolor® micro brown	745u	spherical	0.6 - 1.2 mm	20 - 100 kg/m ³	brown	
> suncolor® micro olive	746u	spherical	0.6 - 1.2 mm	20 - 100 kg/m ³	olive	
> suncolor® micro anthracite	748u	spherical	0.6 - 1.2 mm	20 - 100 kg/m ³	anthracite	

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

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 ³	white	Blocks and larger shape mouldings with increased strength
> powerpor® 3		✓		0.7 - 1.1 mm	18 - 30 kg/m ³	white	Special grade for increased strength shape moulding
> terrapor® 3	✓	✓	✓	0.6 - 1.1 mm	20 - 40 kg/m ³	white, blue, green, pink, anthracite, yellow	Perimeter insulation, fast cooling grade
> terrapor® 4		✓	✓	0.3 - 0.8 mm	22 - 40 kg/m ³	white	Perimeter insulation, fast cooling grade, for low wall thickness
> roofpor®		✓	✓	0.6 - 1.1 mm	25 - 35 kg/m ³	white, blue, green	Perimeter insulation, inverted roofing
> suncolor® PPE		✓		0.6 - 1.2 mm	25 - 150 kg/m ³	grey	High temperature applications

ready for use

> sunpor® HP150	✓	✓		1.4 - 3.15 mm	150kg/m ³	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 ³	anthracite	
> lambdalit® 320	✓	✓		1.8 - 3.15 mm	320 kg/m ³	anthracite	
> lambdalit® 410	✓	✓		1.8 - 3.15 mm	410 kg/m ³	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
> lambdapor® 750 R10	10 % by wt.		yes	●●	1.1 - 1.8 mm	13 - 20 kg/m ³	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
> repor® 33	33 % by wt.		no	0.7 - 1.4 mm	15 - 30 kg/m ³	Shape mouldings for packaging (e.g. for white goods)

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

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

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