



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 gen2	✓		✓	●●	1.1 - 1.8 mm	11 - 18 kg/m³	External insulation (ETICS, rear-ventilated facade); pitched roof and flat roof insulation; loft insulation, floor insulation, ceiling insulation
> lambdapor® 750 premium gen2	✓		✓	●●●	1.1 - 1.8 mm	11 - 18 kg/m³	'Passive House' insulation; applications which require the best insulation value
> lambdapor® 753 premium gen2	✓	✓	✓	●●●	0.7 - 1.3 mm	11 - 25 kg/m³	'Passive House' insulation; cavity wall loose fill; applications which require the best insulation value
> lambdapor® 753	✓	✓	✓	●●	0.7 - 1.3 mm	11 - 30 kg/m³	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/m³	Many applications requiring the best insulation value; cavity wall loose fill
> lambdapor® roof		✓	✓	●●	0.7 - 1.3 mm	25 - 35 kg/m³	Water resistant parts such as perimeter boards and panels for inverted roofs
> lambdapor® 750 STD premium	✓			●●●	1.1 - 1.8 mm	11 - 18 kg/m³	Improved lambda insulation applications without specific requirement for flame retardancy (e.g. Doublage)

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	778	cylindrical	Ø: 0.8 mm L: 1.5 mm	20 - 120 kg/m³	black	Helmets, special shape mouldings
> suncolor® protect	768	cylindrical	Ø: 0.8 mm L: 1.5 mm	40 - 120 kg/m³	black	
> suncolor® protect micro	768xu	spherical	0.6 - 1.2 mm	20 - 120 kg/m³	black	
> suncolor® superfusion	788	cylindrical	Ø: 0.8 mm L: 1.5 mm	20 - 120 kg/m³	black	
suncolor® micro (special grades available on request)						
> suncolor® micro blue	741u	spherical	0.6 - 1.2 mm	20 - 100 kg/m³	blue	Packaging, special shape mouldings
> suncolor® micro light blue	741Au	spherical	0.6 - 1.2 mm	20 - 100 kg/m³	light blue	
> suncolor® micro yellow	742u	spherical	0.6 - 1.2 mm	20 - 100 kg/m³	yellow	
> suncolor® micro green	743u	spherical	0.6 - 1.2 mm	20 - 100 kg/m³	green	
> suncolor® micro grey	744Au	spherical	0.6 - 1.2 mm	20 - 100 kg/m³	grey	
> suncolor® micro brown	745u	spherical	0.6 - 1.2 mm	20 - 100 kg/m³	brown	
> suncolor® micro olive	746u	spherical	0.6 - 1.2 mm	20 - 100 kg/m³	olive	
> suncolor® micro anthracite	748u	spherical	0.6 - 1.2 mm	20 - 100 kg/m³	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/m³	white	Blocks and larger shape mouldings with increased strength
> powerpor® 3		✓		0.7 - 1.1 mm	18 - 30 kg/m³	white	Special grade for increased strength shape moulding
> terrapor® 3	✓	✓	✓	0.6 - 1.1 mm	20 - 40 kg/m³	white, blue, green, pink, anthracite, yellow	Perimeter insulation, fast cooling grade
> terrapor® 4		✓	✓	0.3 - 0.8 mm	22 - 40 kg/m³	white	Perimeter insulation, fast cooling grade, for low wall thickness
> roofpor®		✓	✓	0.6 - 1.1 mm	25 - 35 kg/m³	white, blue, green	Perimeter insulation, inverted roofing
> suncolor® PPE		✓		0.6 - 1.2 mm	25 - 150 kg/m³	grey	High temperature applications

ready for use

> sunpor® HP150	✓	✓	1.4 - 3.15 mm	150kg/m³	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/m³	anthracite	
> lambdalit® 320	✓	✓	1.8 - 3.15 mm	320 kg/m³	anthracite	
> lambdalit® 410	✓	✓	1.8 - 3.15 mm	410 kg/m³	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 R15	15 % by wt.		yes	●●	1.1 - 1.8 mm	13 - 20 kg/m³	External insulation (ETICS, rear-ventilated facade); pitched roof and flat roof insulation; loft insulation, floor insulation, ceiling insulation

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/m³	Helmets, special shape mouldings

PRODUCT	Density	Size	Colour	Ball rebound (EN 12253)	Force Reduction	Typical applications
> sunpor® bio infill	200 kg/m³	2.5 - 3.0 mm	RAL6017	0.87 m	74 %	Infill systems (e.g. artificial turf fields)

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