

Declaration of Performance

STYROZONE® N300 / H350 / N500 / N700

1000.CPR.2013.Styrozone.001

1.	Unique identification code of the product-type	Styrozone N300
2.	Type, batch or serial number or any other element allowing identification of the construction product as required pursuant to Article 11(4)	See CE mark label and marking on boards
3.	Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer	Thermal insulation for buildings
4.	Name, registered trade name or registered trade mark and contact address of the manufacturer as required pursuant to Article 11(5)	Kingspan Insulation Limited Pembroke Leominster Herefordshire, HR6 9LA
5.	Where applicable, name and contact address of the authorised representative whose mandate covers the tasks specified in Article 12(2)	Not relevant
6.	System or systems of assessment and verification of constancy of performance of the construction product as set out in Annex V	AVCP 3
7.	In case of the declaration of performance concerning a construction product covered by a harmonised standard	EN 13164 NB 1168 AFITI LICOF NB 1169 CEDEX NB 1722 CEIS
8.	In case of the declaration of performance concerning a construction product for which a European Technical Assessment has been issued	Not relevant

9. Declared performance

Essential characteristics	Performance		Harmonised technical specification	
Reaction to fire	Reaction to fire	E		EN 13164: 2012
Reaction to fire – end use	Reaction to fire – end use	NPD		
Thermal resistance R _D (m ² .K/W)	d _N 50 - 200mm	1.15 – 3.30		
Thermal conductivity λ _D (W/(m.K))	40 – 60mm 61 - 120mm	0.034 W/mK 0.036 W/mK		
Thickness	d _N < 50mm 50mm ≤ d _N ≤ 120mm	T1; ± 2.0 mm T1; - 2.0 + 3.0 mm		
Length and width	≤ 1500 mm > 1500 mm	± 8.0mm ± 10.0mm	± 8.0mm ± 10.0mm	
Squareness	Length Width	≤ 5 mm/m ≤ 5 mm/m		
Flatness	≤ 1500 mm > 1500 mm	≤ 6.0 mm/m ≤ 6.0 mm/m		
Compressive strength (kPa)	CS(10/Y)300			
Water vapour transmission	NPD			
Dimensional stability at specified temperature and humidity conditions	48 h, 70 °C, 90 % R.H	DS(70,90)		
Long term water absorption by total immersion	WL(T)0.7			
Long term water absorption by diffusion	WD(V)3			
Freeze thaw resistance after long term water absorption by diffusion	FTCD1			
Deformation under compressive load and temperature conditions	40 kPa, 70°C, 168 hours	DLT(2)5		
				EN 15715
				EN 12667 EN 12939
				EN 823
				EN 822
				EN 824
				EN 825
				EN 826
				EN 12086 EN 1604
				EN 12087
				EN 12088
				EN 12091
				EN 1605

Where pursuant to Article 37 or 38, the Specific Technical Documentation has been used, the requirements with which the product complies:

Not relevant

10. The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 9. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4.

Signed for and on behalf of the manufacturer by:

 Peter Wilson - Managing Director (name and function)	UK / 1 st July 2013 (place and date of issue)
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Declaration of Performance

STYROZONE® H350

1000.CPR.2013.Styrozone.001

1.	Unique identification code of the product-type	Styrozone H350
2.	Type, batch or serial number or any other element allowing identification of the construction product as required pursuant to Article 11(4)	See CE mark label and marking on boards
3.	Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer	Thermal insulation for buildings
4.	Name, registered trade name or registered trade mark and contact address of the manufacturer as required pursuant to Article 11(5)	Kingspan Insulation Limited Pembridge Leominster Herefordshire, HR6 9LA
5.	Where applicable, name and contact address of the authorised representative whose mandate covers the tasks specified in Article 12(2)	Not relevant
6.	System or systems of assessment and verification of constancy of performance of the construction product as set out in Annex V	AVCP 3
7.	In case of the declaration of performance concerning a construction product covered by a harmonised standard	EN 13164 NB 1168 AFITI LICOF NB 1169 CEDEX NB 1722 CEIS
8.	In case of the declaration of performance concerning a construction product for which a European Technical Assessment has been issued	Not relevant

9. Declared performance

Essential characteristics	Performance		Harmonised technical specification
Reaction to fire	Reaction to fire	E	EN 13164: 2012
Reaction to fire – end use	Reaction to fire – end use	NPD	
Thermal resistance R_D ($m^2.K/W$)	d_N 30 - 160mm	1.00 – 5.15	
Thermal conductivity λ_D ($W/(m.K)$)	30 - 120mm 121 - 160mm	0.029 W/mK 0.031 W/mK	
Thickness	$d_N < 50mm$ $50mm \leq d_N \leq 120mm$ $d_N > 120mm$	T1; ± 2.0 mm T1; - 2.0 + 3.0 mm T1; - 2.0 + 6.0 mm	
Length and width	≤ 1500 mm > 1500 mm	$\pm 8.0mm$ $\pm 8.0mm$ $\pm 10.0mm$ $\pm 10.0mm$	
Squareness	Length Width	≤ 5 mm/m ≤ 5 mm/m	
Flatness	≤ 1500 mm > 1500 mm	≤ 6.0 mm/m ≤ 6.0 mm/m	
Compressive strength (kPa)	CS(10/Y)300		
Water vapour transmission	NPD		
Dimensional stability at specified temperature and humidity conditions	48 h, 70 °C, 90 % R.H	DS(70,90)	
Long term water absorption by total immersion	WL(T)0.7		
Deformation under compressive load and temperature conditions	40 kPa, 70°C, 168 hours	DLT(2)5	
			EN 15715
			EN 12667 EN 12939
			EN 823
			EN 822
			EN 824
			EN 825
			EN 826
			EN 12086
			EN 1604
			EN 12087
			EN 1605

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 Peter Wilson - Managing Director (name and function)	UK / 1 st July 2013 (place and date of issue)
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Declaration of Performance

STYROZONE® N500

1000.CPR.2013.Styrozone.001

1.	Unique identification code of the product-type	Styrozone N500
2.	Type, batch or serial number or any other element allowing identification of the construction product as required pursuant to Article 11(4)	See CE mark label and marking on boards
3.	Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer	Thermal insulation for buildings
4.	Name, registered trade name or registered trade mark and contact address of the manufacturer as required pursuant to Article 11(5)	Kingspan Insulation Limited Pembridge Leominster Herefordshire, HR6 9LA
5.	Where applicable, name and contact address of the authorised representative whose mandate covers the tasks specified in Article 12(2)	Not relevant
6.	System or systems of assessment and verification of constancy of performance of the construction product as set out in Annex V	AVCP 3
7.	In case of the declaration of performance concerning a construction product covered by a harmonised standard	EN 13164 NB 1168 AFITI LICOF NB 1169 CEDEX NB 1722 CEIS
8.	In case of the declaration of performance concerning a construction product for which a European Technical Assessment has been issued	Not relevant

9. Declared performance

Essential characteristics	Performance		Harmonised technical specification	
Reaction to fire	Reaction to fire	E		EN 13164: 2012
Reaction to fire – end use	Reaction to fire – end use	NPD		
Thermal resistance R _D (m ² .K/W)	d _N 50 - 200mm	1.15 – 3.30		
Thermal conductivity λ _D (W/(m.K))	40 – 60mm 61 - 120mm	0.034 W/mK 0.036 W/mK		
Thickness	d _N < 50mm 50mm ≤ d _N ≤ 120mm	T1; ± 2.0 mm T1; - 2.0 + 3.0 mm		
Length and width	≤ 1500 mm > 1500 mm	± 8.0mm ± 10.0mm	± 8.0mm ± 10.0mm	
Squareness	Length Width	≤ 5 mm/m ≤ 5 mm/m		
Flatness	≤ 1500 mm > 1500 mm	≤ 6.0 mm/m ≤ 6.0 mm/m		
Compressive strength (kPa)	CS(10/Y)500			
Water vapour transmission	NPD			
Dimensional stability at specified temperature and humidity conditions	48 h, 70 °C, 90 % R.H	DS(70,90)		
Long term water absorption by total immersion	WL(T)0.7			
Long term water absorption by diffusion	WD(V)3			
Freeze thaw resistance after long term water absorption by diffusion	FTCD1			
Deformation under compressive load and temperature conditions	40 kPa, 70°C, 168 hours	DLT(2)5		
				EN 13501-1
				EN 15715
				EN 12667 EN 12939
				EN 823
				EN 822
				EN 824
				EN 825
				EN 826
				EN 12086
				EN 1604
				EN 12087
				EN 12088
				EN 12091
				EN 1605

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Signed for and on behalf of the manufacturer by:

 Peter Wilson - Managing Director (name and function)	UK / 1 st July 2013 (place and date of issue)
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Declaration of Performance

STYROZONE® N700

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1.	Unique identification code of the product-type	Styrozone N700
2.	Type, batch or serial number or any other element allowing identification of the construction product as required pursuant to Article 11(4)	See CE mark label and marking on boards
3.	Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer	Thermal insulation for buildings
4.	Name, registered trade name or registered trade mark and contact address of the manufacturer as required pursuant to Article 11(5)	Kingspan Insulation Limited Pembridge Leominster Herefordshire, HR6 9LA
5.	Where applicable, name and contact address of the authorised representative whose mandate covers the tasks specified in Article 12(2)	Not relevant
6.	System or systems of assessment and verification of constancy of performance of the construction product as set out in Annex V	AVCP 3
7.	In case of the declaration of performance concerning a construction product covered by a harmonised standard	EN 13164 NB 1168 AFITI LICOF NB 1169 CEDEX NB 1722 CEIS
8.	In case of the declaration of performance concerning a construction product for which a European Technical Assessment has been issued	Not relevant

9. Declared performance

Essential characteristics	Performance		Harmonised technical specification	
Reaction to fire	Reaction to fire	E		EN 13164: 2012
Reaction to fire – end use	Reaction to fire – end use	NPD		
Thermal resistance R _D (m ² .K/W)	d _N 60 - 100mm	1.75 – 2.75		
Thermal conductivity λ _D (W/(m.K))	60mm 61 - 100mm	0.034 W/mK 0.036 W/mK		
Thickness	d _N < 50mm 50mm ≤ d _N ≤ 100mm	T1; ± 2.0 mm T1; - 2.0 + 3.0 mm		
Length and width	≤ 1500 mm > 1500 mm	± 8.0mm ± 10.0mm	± 8.0mm ± 10.0mm	
Squareness	Length Width	≤ 5 mm/m ≤ 5 mm/m		
Flatness	≤ 1500 mm > 1500 mm	≤ 6.0 mm/m ≤ 6.0 mm/m		
Compressive strength (kPa)	CS(10/Y)700			
Water vapour transmission	NPD			
Dimensional stability at specified temperature and humidity conditions	48 h, 70 °C, 90 % R.H	DS(70,90)		
Long term water absorption by total immersion	WL(T)0.7			
Long term water absorption by diffusion	WD(V)3			
Freeze thaw resistance after long term water absorption by diffusion	FTCD1			
Deformation under compressive load and temperature conditions	40 kPa, 70°C, 168 hours	DLT(2)5		
				EN 13501-1
				EN 15715
				EN 12667 EN 12939
				EN 823
				EN 822
				EN 824
				EN 825
				EN 826
				EN 12086
				EN 1604
				EN 12087
				EN 12088
				EN 12091
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