

Certificate of Approval

Certificate Number: JTD1017

Issue: 01

Thermal Breaks Ltd

11 Thorley Fields Business Park
Bishops Stortford
Hertfordshire
CM23 4TR



Having complied with the requirements of the following:

SD 227: Rev.4

Certified Thermal Details and Products Scheme

is authorised to use the BRE Global Certification Mark in association with the following:

Products

Product	Description	Reference No.
TekTherm™ AK300HT thermal breaks: 15mm and 25mm	Structural thermal breaks in balcony junctions	600506 – 600511
TekTherm™ AKFR thermal breaks: 15mm and 25mm		600512 - 600517

Please see Appendix for additional details

This certificate and appendix are maintained and held in force through periodic review and verification.

	Laura Critien	23 April 2025	23 April 2025	23 April 2028
for BRE Global	Operations Manager	Date of Issue	Date of First Issue	Reassessment date



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BRE Global Limited, Garston, Watford WD25 9XX.
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Appendix to Certificate No: JTD1017
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Junctions Details

Reference No.	Product	Description	Ψ -value (W/m ² ·K)	Temperature Factor
600506	TekTherm™ AK300HT 15mm	Balcony: Steel to steel connection (small beam)	0.318	0.91
600507	TekTherm™ AK300HT 25mm	Balcony: Steel to steel connection (large beam)	0.388	0.90
600508	TekTherm™ AK300HT 15mm	Balcony: Steel to precast concrete connection (small RHS beam)	0.288	0.82
600509	TekTherm™ AK300HT 25mm	Balcony: Steel to precast concrete connection (small RHS beam)	0.281	0.83
600510	TekTherm™ AK300HT 15mm	Balcony: Steel to concrete connection (large beam)	0.397	0.84
600511	TekTherm™ AK300HT 25mm	Balcony: Steel to concrete connection (large beam)	0.379	0.85
600512	TekTherm™ AKFR 15mm	Balcony: Steel to steel connection (small beam)	0.322	0.91
600513	TekTherm™ AKFR 25mm	Balcony: Steel to steel connection (large beam)	0.394	0.90
600514	TekTherm™ AKFR 15mm	Balcony: Steel to precast concrete connection (small RHS beam)	0.292	0.82

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Reference No.	Product	Description	Ψ -value (W/m ² ·K)	Temperature Factor
600515	TekTherm™ AKFR 25mm	Balcony: Steel to precast concrete connection (small RHS beam)	0.285	0.82
600516	TekTherm™ AKFR 15mm	Balcony: Steel to concrete connection (large beam)	0.407	0.84
600517	TekTherm™ AKFR 25mm	Balcony: Steel to concrete connection (large beam)	0.389	0.84

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