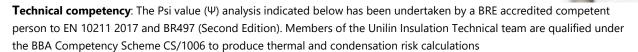


**Certificate No** 

## **CAVITYTHERM**

Linear Thermal Transmittance (ψ) & Temperature Factor (f)





UI-CTPIR-E2-WDC-03 V2	30-Jun-23					
General Construction Specification (Wall)						
Plasterboard on dabs						
Air layer & plaster adhesive						
Concrete block						
Unilin Insulation CavityTherm CT/PIR						
Residual cavity (5mm)						
Brick						
Keystone Hi-Therm lintel						
Table K1 reference						
E2						
U value range (Wall)						

**Date** 

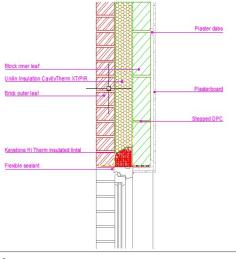
### **Calculation prepared by Keystone Lintels Technical**

Description			
Other lintels including steel lintels			
(Checked) (Keystone Hi-Therm)			
U value range			
N/A			

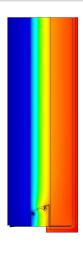
**General Construction Specification** 

#### **Junction detail**

 $0.12 \text{ W/m}^2\text{K} - 0.21 \text{ W/m}^2\text{K}$ 



### Thermal image



#### Notes

The U values indicated on this certificate are the actual U values for the proposed construction. The Psi values are calculated using the modelled U value in accordance with the guidelines set out in BR497 and ISO 10211. Contact Unilin Insulation technical support for further guidance

 $\Psi$  and f are only valid for the detail drawn and described above

Calculations have been carried out in accordance with the following standards and guidance documents were relevant

EN ISO 10211 2017

EN ISO 13370 2017

EN ISO 6946 2017

BR 497 (Second Edition)

BR 443 2019

**BRE IP1/06** 

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**Disclaimer:** The calculations have been completed in accordance with guidance documents as indicated above by Keystone Lintels. Any change to the materials specified would alter the results achieved and would invalidate the information contained herein. Specification and results should be verified before installation. To this extent the information and/or specification is to the best of our knowledge accurate, however Unilin Insulation specifically exclude any liability for errors, omissions or otherwise arising therefrom.



# CAVITYTHERM

Linear Thermal Transmittance (ψ) & Temperature Factor (f)



CavityTherm	100	mm	110	mm	125	mm	150	mm
	Ψ	f	Ψ	f	Ψ	f	Ψ	f
Inner block								
0.11	0.029	0.96	0.031	0.97	0.034	0.97	0.037	0.97
0.15	0.028	0.96	0.030	0.97	0.033	0.97	0.036	0.97
0.19	0.028	0.96	0.029	0.97	0.033	0.97	0.036	0.97
0.31	0.027	0.96	0.029	0.97	0.032	0.97	0.035	0.97
0.57	0.026	0.96	0.028	0.97	0.032	0.97	0.035	0.97
1.13	0.026	0.96	0.028	0.97	0.032	0.97	0.035	0.97

- Ψ Thermal transmittance value (W/m K)
- **f** Temperature factor

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