

Your U-value calculation...

U-value calculation

Thank you for using the Celotex online U-value calculation service. You will find your U-value calculation on the following page.

If you require further help or advice on your U-value calculation and would like to speak with an advisor, please contact our Celotex Technical Centre on 0901 996 0100*. Lines are open Monday – Friday from 8.00am – 5.15pm.

Revealing our latest breakthrough

At Celotex we've come up trumps again with our latest technological breakthrough enabling you to achieve even better U-values with our new **Celotex FR5000** featuring **Celotex IQ**. Delivering an exceptional lambda value of 0.021 W/mK, an A+ rating when compared to the BRE Green Guide and Class O fire performance as well as providing super low emissivity with Celotex IQ, Celotex FR5000 provides some of the highest performing rigid board insulation solutions.

To ensure you are using the best insulation solutions visit our website at celotex.co.uk

Optimise your space

Celotex has the widest range of PIR insulation offering solutions for even the most intricate of refurbishment projects. From 12mm to 200mm, with external and internal solutions, Celotex continues to offer new and innovative ways of meeting Regulation targets as well as your design needs. And, with industry leading insulation performance, specifying Celotex will deliver even better U-values and thinner solutions; ideal for optimising your space.

To find out how you can optimise your space, visit the refurbishment section of our website at celotex.co.uk/refurb and download your **refurbishment brochure** today

Discover more with our Celotex Part L CPD

Why not register for the new Celotex CPD? With Part L 2010 regulations being enforced and 2013 regulations currently under consultation, our Part L CPD showcases how you can achieve the best U-values to meet the ever more demanding Building Regulations with even thinner solutions. Simply [click here](#) to register and we will contact you to book your presentation.

Calculations at your fingertips

Celotex can also provide you with all your new build on-construction SAP Calculations and Energy Performance (EPC) Certificates, including advice from our in-house On-Construction Energy Assessors, who can help further improve energy efficiency.

With prices starting from as little as £49, this convenient and efficient service from the insulation specialists will help to satisfy all your SAP and EPC requirements.

To take advantage of this service, simply visit the SAP & EPC pages of the website.

If you have any further questions or queries, please do not hesitate to get in contact on 0901 996 0100* or via our website celotex.co.uk

Kind Regards

Celotex

*Calls are charged at 30p per minute from a BT landline and lines are open Monday - Friday from 8.00am - 5.15pm. Details and pricing are correct at date of publication - March 2012

We know insulation inside and out

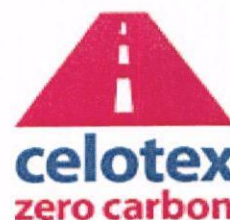


Sustainable Insulation

Celotex PIR insulation has been independently assessed by BRE Global and has been accredited with an A+ rating when compared to the BRE Green Guide.

The results also show that Celotex offers a lower environmental impact than other typical PIR manufacturers.

For further information about Celotex' low carbon sustainable solutions, visit the sustainability pages of the website at celotex.co.uk



Project Information

Date	19 March 2012	Project	Extension
Client	Denise Cormack-Hoyland, NA		3 cORONATION Road
	3 Coronation Road		Waterlooville
	Waterlooville		
	Hampshire		
	PO7 7FA		

Construction Type

Element : Solid Ground floor – Ground Floor – Solid – Insulation under slab
Internal surface emissivity : High External surface emissivity : High

Construction	Thickness (mm)	Thermal Conductivity (W/mK)	Thermal Resistance (m ² K/W)	Pitch (°)	Bridge Details
Inside surface	–	–	0.040		
Concrete oversite	150.0	1.700	0.088		
Polythene, 500 gauge separating layer	–	–	–		
Celotex FF4000	70.0	–	3.182		
DPM – Polythene, 1200 gauge	–	–	–		
Sand Blinded Hardcore	150.0	0.000	0.000		
Ground	–	–	0.170		

Ground Floor Details

Calculation method : EN ISO 13370
P/A : 0.530m
Floor type : Solid floor
Edge insulation : Vertical
Insulation : Celotex TB4000
Internal surface resistance : 0.140m²K/W External surface resistance : 0.040m²K/W
Insulation thickness : 20.0mm Insulation conductivity : 0.023W/mK
Insulation depth : 150mm
Foundations : TB4020

U-value – 0.20W/m²K

U-value, Combined Method : 0.20 W/m²K (upper/lower limit 3.480 / 3.480 m²K/W, dUf 0.0000, dUg 0.0000, dUp0.0000, dUr0.0000, dUrc0.0000)

(Correction for mechanical fasteners, Delta Uf = 0.000W/m²K)

(Correction for air gaps, Delta Ug = 0.000W/m²K)