



## The VEKA UK Group

### CE MARKING

## THERMAL TRANSMITTANCE - GUIDANCE PACK 4

21<sup>st</sup> June 2013

### General Guidance Thermal Transmittance Data for CE Marking

Clause 4.12, Thermal transmittance of EN 14351-1:2006+A1:2010 describes 3 methods in which U-Value data can be determined for CE Marking;

1. By using the default tables F1 and F3 included in EN ISO 10077-1
2. By calculation using EN ISO 10077-1/EN ISO 10077-2
3. By Hot Box method using EN ISO 12567-1/EN ISO 12567-2

Methods 2 and 3 require that testing either has to be undertaken, calculated or approved by a Notified Body (refer to Table ZA.3b of EN 14351-1:2006+A1:2010). Method 1 does allow U-Value data to be determined without the need to employ the services of a Notified Body, but please be aware that the U-Value results in tables F1 and F3 of EN ISO 10077-1 are extremely conservative.

The VEKA UK Group no cost, Scoping Specifications have been prepared using the following product groups/families in accordance with method 2. For further clarification refer to Annex D of EN ISO 10077-1. The background calculations are approved by Buildcheck (Notified Body No 1806) against the following report numbers;

Casement	Report No:CU13238-1	Dated:18/06/2013
Tilt & Turn	Report No:CU13238-3	Dated:18/06/2013
Fully Reversible/Topswing	Report No:CU13238-2	Dated:18/06/2013
Vertical Slider	Report No:CU13238-4	Dated:18/06/2013
Residential Door	Report No:CU13238-7	Dated:20/06/2013
French Door	Report No:CU13238-6	Dated:20/06/2013
Tilt & Slide Door	Report No:CU13238-5	Dated:20/06/2013
In-Line Sliding Door	Report No:CU13238-8	Dated:20/06/2013

Please ensure that The Notified Body details and relevant report numbers are stated on your Declarations of Performance (DoP's). If you are using the VEKA UK Group DoP templates, a space is provided for this in the final box by amending the Notified Body details, Report No and date. Notified Body reports will not be supplied, but can be made available electronically on request.

*Please note that the legal responsibility for CE Marking rests with the organisation who places the completed window or external door product onto the market (the manufacturer/assembler), who is identified as the company that brings the frame and glazing together. Therefore please be aware that whilst the whole supply chain has a responsibility to ensure that relevant information is available to be cascaded to the organisation deemed to be the manufacturer/assembler, it is they who have ultimate responsibility to affix the CE Mark to the completed product and to ensure all accompanying documentation and information is available.*

*Reasonable care has been taken whilst preparing this guidance document associated with compliance to EN 14351-1:2006+A1:2010 and CE Marking. The VEKA UK Group does not accept any liability, whether directly or indirectly for incorrect use, non-compliance or loss by using the information contained within this guidance document in whole or in part. Moreover this guidance document is supplied on the understanding that the user accepts all risks associated with the use of the information contained within. It is the users responsibility to familiarise themselves with the requirements of CE Marking and EN 14351-1:2006+A1:2010 and interpret the information supplied in a manner which suits the users organisation/company.*



## Scoping Specifications – Instructions For Use

The VEKA UK Group, Scoping Specifications have been prepared to enable a worst case U-Value of  $1.6\text{W/m}^2\text{K}$  to be declared on the relevant Declaration of Performance (DoP) for all product groups/families.

This can be stated on your DoP for example as follows;

1. No Worse than  $1.6\text{W/m}^2\text{K}$
- or;
2.  $\leq 1.6\text{W/m}^2\text{K}$

Providing that the final window/door product that is placed on the market (including frame and IGU) is manufactured to incorporate VEKA UK Group products and 3<sup>rd</sup> party products which are listed under each heading of the relevant product group/family Scoping Specification document then the worst case  $1.6\text{W/m}^2\text{k}$  whole window/door U-Value can be declared in accordance with The VEKA UK Group Notified Body Thermal Transmittance Reports carried out by Buildcheck (Notified Body No 1806).

Note1: Triple glazing is permitted for use (where possible) in accordance with the  $\leq 1.6\text{W/m}^2\text{k}$  Scoping Specification as it is assumed that double glazing is the worst case.

Note 2: Please be aware that window styles and sizes covered on The Scoping Specifications are the standard benchmarking models covered in EN 14351-1:2006+A1:2010 Annex E and Annex F. To prevent multiplication of testing, a manufacturer has the option to declare one product from a product group/family as a representative for the whole group/family provided that the product has the more unfavourable combination of performance characteristics (EN 14351-1:2006+A1:2010, clause 7.2.3.1).

Note 3: We are planning further developments, with regard to Thermal Transmittance for CE Marking and we will be rolling these out over the course of the rest of 2013. Our next objective is to complete a U-Value Calculator which will be available to purchase, for those projects where specific U-Value declarations are required for CE Marking rather than worst case.

Should you have any questions or if you have not yet received our CE Marking Guidance Packs, we have set-up a designated email address to respond to your enquiries, so please send any questions to [cemarking@veka.com](mailto:cemarking@veka.com) or call our Technical Helpdesk on Tel: 01282 725355.

Yours Sincerely

Mark Barsby  
Head of Technical  
The VEKA UK Group

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