

B1.2 Computer specification

Platform and operating system

PC	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
	MS-DOS®	<input type="checkbox"/>	Windows 3.x®	<input type="checkbox"/>
	Windows 95®	<input checked="" type="checkbox"/> 98	Windows NT®	<input checked="" type="checkbox"/> 2000 XP
	PS2	<input type="checkbox"/>	OS2	<input type="checkbox"/>
UNIX®	Yes	<input type="checkbox"/>	No	<input type="checkbox"/>
Apple Macintosh®	Yes	<input type="checkbox"/>	No	<input type="checkbox"/>
Comment.....	<i>No special hardware requirements</i>			

Processor, storage and peripherals

Processor speed 200+ MHz

Minimum RAM 64 MB

Minimum disk space 500 MB

Other devices:

Floppy disk	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>
CD-ROM drive	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
Printer	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
Plotter	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>
Digitising table	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>
Other	<i>All data exported to standard Microsoft Office products</i>			

Other requirements*

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Suitable machines† *Buy standard office PC or laptop*

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* Consider screen size, video RAM, Internet connection, local area network connection, etc.
 † List types of machine known to be suitable.

B1.3 Program code**Type of code**

Compiled code only	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
Source code available	Yes	<input type="checkbox"/>	No	<input type="checkbox"/>
Extra £ for source code	Yes	<input type="checkbox"/>	No	<input type="checkbox"/>
Programming language	FORTRAN	<input checked="" type="checkbox"/>	C/C++	<input checked="" type="checkbox"/>

Notes..... *Simulation engine in FORTRAN and user interface in C++*
Source code is available for inspection

B1.4 Modelling methods

See section B2 to document thermal simulation programs.

B1.5 Input interface**Type of interface**

GUI Menu-driven Command line

Other..... *Includes a 3D geometry modeller*

Digital data file

Program produces accessible and human readable digital data files?*	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>		
Legibility of digital file	Good	<input checked="" type="checkbox"/>	Poor	<input type="checkbox"/>	Bad	<input type="checkbox"/>
Is entire problem definition contained?†	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>		
Are all simulation parameters included?‡	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>		

Data checking

Does program check for consistency and plausibility of input? Yes No

within very broad bands

* Interfaces may generate files (e.g. binary files) which cannot be read by people but only by the program interface. These are much less useful and old (binary) files may cease to be readable by new versions of the interface.

† Check that all the data are included — e.g. geometry, construction and occupancy data — and that the weather file used is noted.

‡ Check that all the simulation control information — such as time-step length, length of preconditioning and convergence criteria — is given.

