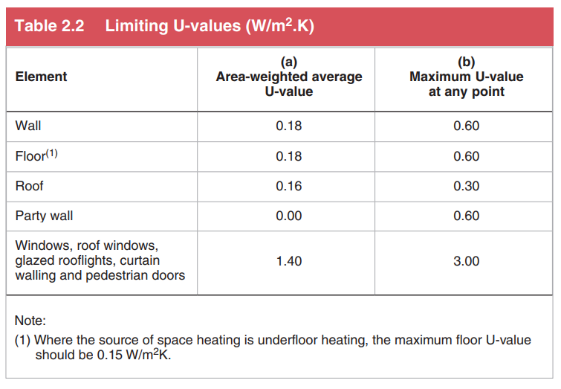
**SAP 2009 software supplement** (Technical Booklet F1 June 2022)

This supplement can help demonstrate compliance with regulation 43B and 39 (Technical Booklet F1 paragraph 2.17 to 2.22, 2.41 & 2.48, ) using the Government’s Standard Assessment Procedure (SAP) for Energy Rating of Dwellings SAP 2009 software

**Betterment over the target emissions rate** TER from SAP 2009 software

(40% for houses & 25% for flats (Paragraph 0.7)

TER less Betterment % \_\_\_\_\_\_ - \_\_\_\_ % =\_\_\_\_\_\_

**limits on building fabric performance.**

**Limiting maximum U-value**

Are the U-values for each of the elements no greater than limiting U-values (See Table 2.2) Yes / No ?

**Limiting extent of openings**

Total area of openings \_\_\_\_ m2

Ratio openings to floor\_\_\_\_ %

Doors & glazing openings no greater than 25% of the floor area Yes / No ?

Where answering no to either of above, a whole building area weighted U-value calculation will be required (Paragraph 2.44)

**Renewable generating technologies**

Are renewable generation technologies proposed to produce electricity Yes / No ?

If answering yes then complete the following:

* Confirm proposed type of connection to Northern Ireland Electricity Networks – export / non-export?
* For an export connection is a formal NIE connection offer available

Yes / No ?

* For a non-export connection has evidence of compliance been provided at plans application stage (Paragraphs 2.20 and 2.21)

Yes / No ?

* Applicants and designer are aware that at completion stage formal confirmation will be required that an export connection has been provided or a report demonstrating compliance with a non-export connection will be required.

Yes / No ?