

# Wilton Carpets

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## **Tog Values & Underfloor Heating**

We have tested two woven products as follows:

Axminster Bespoke 10, (10 rows per inch) the result was a Tog rating of 1.57

Wilton Sarum Super 4, (9 rows per inch) the result was a Tog rating of 1.56

Given that both these products are fairly high specification the results are quite low, we would, logically expect lighter specifications to have a lower Tog rating.

### Underfloor Heating

There are basically two types as follows:

- (1) Wet, water-based systems. These operate by means of pipes filled with heated water set into a solid floor. The water is heated from some form of surface boiler. These are robust and can usually operate with a combined floor covering value of up to 2.5 Tog though the system manufacturer's instructions must always be followed. Failure to do so may result in system failure and an invalid warranty. To arrive at the composite floor covering, the carpet and underlay tog values simply have to be added together. Underlays with values of under 0.5 tog are available. If higher than recommended or stated maximum tog values are used, the most likely outcome is that the room will take longer to warm-up, however, depending on how well the system is protected, the system could incur damage if it becomes overheated, hence the need to follow the manufacturer's instructions.
- (2) Electrical systems. These apply heat through the floor via electrical elements set into a solid floor and although most have overheating protection, if this were to happen, even if just localised, the system could be significantly damaged. It is therefore, imperative that the manufacturer's floorcovering Tog value instructions are followed to prevent system burn-out.

Please see overleaf the Carpet Foundation press release on this subject.