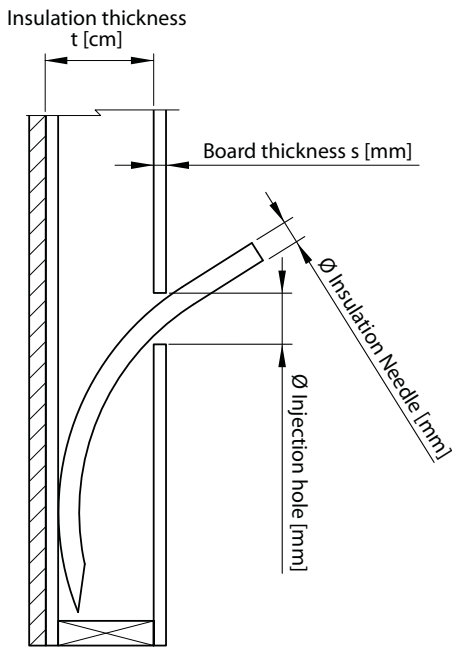


In the diagram shown below you can read, how big must the drill hole be for the needle. This is depending on the insulation thickness, of the board thickness, of the insulation hole and of the insulation needle.



Example:
 Insulation thickness $t = 20\text{cm}$
 Board thickness $s = 35\text{mm}$
 Insulation needle = NW50
 Therefore, the injection hole needed the diameter of approximately 11 cm (see reading example).

Legende:

- board thickness $s = 15\text{mm}$
- board thickness $s = 25\text{mm}$
- board thickness $s = 35\text{mm}$
- board thickness $s = 60\text{mm}$

