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Certificate

about the quality of airtightness

Component: One-gang box UP1 KAISER (Art.-No. 1055-26)
One-gang junction box (Art.-No. 1555-26)

Customer: KAISER GmbH & Co. KG
Ramsloh 4, D-58579 Schalksmühle

Test Object:

Housing consisting of plastic-coated chipboards with in one plastered panel installed ten one-gang boxes and ten one-gang junction boxes with 24 conduit entries.

Results:

Airflow at 50 Pascal based on twenty one-gang boxes and one-gang junction boxes with 24 cable and conduit entries:

$$V_{50} = 0,1114 \text{ m}^3/\text{h}$$

Airflow at 10 Pascal relative to the joint length (permeability of building component):

$$\text{leakage rate} = 0,0046 \text{ m}^3/(\text{h}\cdot\text{m})$$

According to DIN 4108-2:2013-02 chapter 7 para. 3, the requirement for component connection joints is $\leq 0,1 \text{ m}^3/\text{mh} (\text{daPa}^{2/3})$.

The tightness of component connection joints of the One-gang box UP1 KAISER (Art.-No. 1055-26) and the One-gang junction box KAISER UP1 (Art.-No. 1555-26) satisfies the requirements.

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