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Certificate

about the quality of airtightness

Component: Two-gang junction box UP¹ ECON® (Art.-No. 1656-25)
Electronics box UP¹ ECON® (Art.-No. 1068-25)

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

Test Object:

Housing consisting of plastic-coated chipboards with therein installed five Two-gang junction boxes and four Electronics boxes with 22 conduit and 10 cable entries.

Results:

Airflow at 50 Pascal based on five Two-gang junction boxes and four Electronics boxes with 32 cable and conduit entries:

$$V_{50} = 0,3533 \text{ m}^3/\text{h}$$

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

$$\text{leakage rate} = 0,0219 \text{ m}^3/(\text{h} \cdot \text{m})$$

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 Two-gang junction box UP¹ ECON® (Art.-No. 1656-25) and the Electronics box UP¹ ECON® (Art.-No. 1068-25) satisfies the requirements.

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