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Certificate

about the quality of airtightness

**Component: Kaiser One-gang junction box O-range ECON® ISO Fix
Art.-No. 9264-12**

**Kaiser One-gang junction box O-range ECON® ISO Fix halogen-free
Art.-No. 9264-72**

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

Test Object:

Housing consisting of plastic-coated chipboards with therein installed ten One-gang junction boxes O-range ECON® ISO Fix (Art.-No. 9264-12) and ten One-gang junction boxes O-range ECON® ISO Fix, halogen-free (Art.-No. 9264-72) with 24 conduit and 36 cable entries.

Results:

Using the BlowerDoor Micro-Leakage-Meter measurement system and the DG-700 the following values for the airflow and the permeability of building components at a pressure difference of 10 Pa were achieved:

Airflow at 50 Pascal based on twenty one-gang junction boxes O-range ECON® ISO Fix with 60 cable and conduit entries:

$$V_{50} = 0,7174 \text{ m}^3/\text{h}$$

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

$$\text{leakage rate} = 0,0312 \text{ m}^3/(\text{h} \cdot \text{m})$$

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

**The tightness of component connection joints of the
One-gang junction boxes O-range ECON® ISO Fix, Art.-No. 9264-12 and 9264-72
satisfies the requirements.**

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