

Certificate

about the quality of airtightness

Component: Conduit-gang junction box O-range ECON®
Art.-No. 9266-22 / 9266-77

Customer: Kaiser GmbH & Co. KG, Ramsloh 4, 58579 Schalksmühle

Test Object:

Housing consisting of plastic-coated chipboards with therein installed
20 Conduit-gang junction boxes O-range ECON® (Art.-No. 9266-22 / 9266-77)
with 40 conduit 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 20 Conduit-gang junction boxes O-range ECON®
with 40 conduit entries:

$$V_{50} = 0,1555 \text{ m}^3/\text{h}$$

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

$$\text{leakage rate} = 0,0047 \text{ m}^3/(\text{h} \cdot \text{m})$$

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
and the Conduit-gang junction box O-range ECON® (Art.-No. 9266-22 / 9266-77)
satisfies the requirements.**

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