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# Certificate

about the quality of airtightness

**Component:** Junction Box 120mm O-range ECON (Art. no. 9273-92)  
Junction Box 120mm O-range ECON, halogen-free (Art. no. 9273-78) with  
Cover O-range ECON Universal 120 (Art.-no. 9273-50)

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

## Test Object:

Housing consisting of plastic-coated chipboards with therein installed  
nine junction boxes 120mm O-range ECON, four of which are halogen-free,  
with 36 conduit and cable entries.

## Results:

Airflow at 50 Pascal based on nine junction boxes 120mm O-range ECON  
with 36 cable and conduit entries:

$$V_{50} = 0,1351 \text{ m}^3/\text{h}$$

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

$$\text{leakage rate} = 0,0056 \text{ m}^3/(\text{h} \cdot \text{m})$$

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 Junction Box 120mm O-range ECON (Art. no. 9273-92) and Junction Box 120mm O-range ECON, halogen-free (Art. no. 9273-78) with cover O-range ECON Universal 120 (Art.-no. 9273-50) satisfies the requirements.**

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