Dipl.-Ing. Wilfried Walther
Sachverständiger für Bauphysik

Certificate

about the quality of airtightness

Component: Wall and ceiling transition 90° for M20 conduits (Art.-No. 9261-20)
Wall and ceiling transition 90° for M25 conduits (Art.-No. 9261-25)

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

Test Object:

Housing consisting of plastic-coated chipboards with therein installed fifteen Wall and ceiling transitions 90° for M20 conduits and fifteen Wall and ceiling transitions 90° for M25 conduits.

Results:

Airflow at 50 Pascal based on thirty Wall and ceiling transitions 90° (Art.-No. 9261-20 and 9261-25):

$$V_{50} = 0{,}1265\ m^3/h$$

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

leakage rate = 0,0118 m³/(h*m)

According to DIN 4108-2:2013-02 chapter 7 para. 3, the requirement for component connection joints is ≤ 0,1 m³/mh (daPa $^{2/3}$).

The tightness of component connection joints of the Wall and ceiling transition 90° for M20 conduits (Art.-No. 9261-20) and the Wall and ceiling transition 90° for M25 conduits (Art.-No. 9261-25) satisfies the requirements.

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16.07.2024 Dipl.-Ing. Heiko Wandtke