

Air-tightness certificate

Component: Conduit stopper (Kaiser GmbH & Co. KG)
Conduit stopper type 16/20/25/32/40

Test object:

Chipboard housing with 28 conduit stoppers of the brand listed above.
The conduit stoppers were mounted in cable conduits with cable entries.

Results:

Using the Blower Door Measurement System and the DG-700, the following values were established for the volume flow and A value with a pressure difference of 10 Pascal:

Volume flow at 10 Pascal based on 28 conduit stoppers:

$$V_{10} = 0,23 \text{ m}^3/\text{h}$$

A value at 10 Pascal based on the joint length:

$$a\text{-Wert} = 0,1 \text{ m}^3/\text{h}\cdot\text{m}$$

According to DIN 4108-2:2003-07 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 16/20/25/32/40 satisfies the requirements.

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