

Certificate

about the quality of airtightness

Component: HELIA O-range® Acoustic one-gang box (Art. no. 5371)

HELIA O-range[®] Acoustic one-gang junction box (Art. no. 5379)

Customer: N.V. PLASTIC COLOR, Puursesteenweg 363, B-2880 Bornem

Test Object:

Housing consisting of plastic-coated chipboards with therein installed ten HELIA one-gang boxes (Art. no. 5371) and ten one-gang junction boxes (Art. no. 5379) with 12 conduit and 12 cable entries.

Results:

Airflow at 50 Pascal based on twenty HELIA one-gang boxes and one-gang junction boxes with 24 cable and conduit entries:

 $V_{50} = 0.1808 \text{ m}^3/\text{h}$

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

leakage rate = $0,0069 \text{ m}^3/(\text{h*m})$

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 HELIA O-range® Acoustic one-gang box (Art. no. 5371) and one-gang junction box (Art. no. 5379) satisfies the requirements.

Büro für Bauphysik und Energieberatung

Wilfried Walther

Zum Energie- und Umweltzentrum 1

31832 Springe-Eldagsen

16.11.2021

Dipl.-Ing. Heiko Wandtke