

CERTIFICATE

of constancy of performance

1922 - CPR - 2001

In compliance with Regulation (EU) 305/2011 of the European Parliament and of the Council of 9 March 2011 (the Construction Products Regulation or CPR), this certificate applies to the construction product

Smoke and heat control systems. Smoke ducts sections.
Horizontal single compartment rectangular smoke extraction ducts
with cross section and dimensions up to 1250 mm x 1000 mm.

(For list of controlled characteristics and description of the product see Annex I and Annex II to 1922-CPR-2001 that are inseparable parts of this certificate)

placed on the market under the name or trade mark of

TEKNOVENT GROUP S.R.L.

Calea Victoriei nr 124, Spatiul 5, Etaj 3, Apt 12, Sector 1, Bucharest, Romania

and produced in the manufacturing plant

TEKNOVENT GROUP S.R.L.

Cernica, Sat Caldaru, Strada Oxigenului nr. 3H, Jud. Ilfov, Romania

This certificate attests that all provisions concerning the assessment and verification of constancy of performance described in Annex ZA of the standard

EN 12101-7:2011

under system 1 for the performance set out in this certificate are applied and that the factory production control conducted by the manufacturer is assessed to ensure the constancy of performance of the construction product.

This certificate was first issued on 29.06.2023* and will remain valid until 29.06.2024 as long as neither the harmonised standard, the construction product, the AVCP methods nor the manufacturing conditions in the plant are modified significantly, unless suspended or withdrawn by the notified product certification body. The certificate is supported through annual surveillance audit and is reissued after each surveillance audit. The validity of the certificate may be confirmed in the CE register at the web address www.dedal-bg.net.

*The manufacturer was first certified according to EN 12101-7:2011 on 22.03.2022 - Certificate number: 1922 - CPR - 1739



Manager:

Issued:
Burgas, 29 June 2023
Ref. No. 01-00

dipl. eng. Anna Vasileva

ANNEX I TO CERTIFICATE OF CONSTANCY OF PERFORMANCE
1922-CPR-2001/ 29.06.2023 (page 1/1)

Fire resistance tests have been performed according to EN 1366-9:2008
Classification has been carried out according to EN 13501-4:2016.

Performance list, acc. to EN 12101-7:2011
Classification: E₆₀₀ 120 (ho) S1000 single

Essential characteristics	Clause EN 12101-7	Performance
Fire resistance		
Integrity	4,1,2 a) 4.4.1	Pass E ₆₀₀
Insulation	-	N/A
Smoke leakage	4.1.2 b) 4.4.1	pass
Mechanical stability (under E)	4.1.2 c)	pass
Maintenance of cross-section (under E)	4.1.2 d)	pass

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ANNEX II TO CERTIFICATE OF CONSTANCY OF PERFORMANCE 1922-CPR-2001/ 29.06.2023 (page 1/1)

DESCRIPTION OF THE PRODUCT

- Rectangular smoke extraction duct made of steel sheet, grade DX51D
- Rectangular range dimensions up to 1250x1000 mm and thickness 1.0 mm.
- A flange is mounted on both sides of the duct body to connect the individual segments to each other.
- The flange is made of profiles type K 30 x 0.7 mm and corners K 30/4 x 2.5 mm, all produced by Grupa Kupsik, Poland
- The flange is fixed to the channel by spot welding located at distance 50 mm.
- All the joints between the flanges, corners, and channels are treated with silicon named Firecyl FR, produced by Soudal.
- The individual segments of the duct are joined together with C-brackets, produced by Grupa Kupsik, Poland. The brackets are located above the flanges and are at distance of 200 mm from each other and the corners. They are fixed to each other with M8 bolts with nuts.
- All segments are reinforced with spacers mounted at a distance of 420 mm from each other, along the axis of the large side of the segment. The spacers consist of galvanized pipe ½" with 2.3 mm thick steel, M8 stud, Ø80 washers and M8 nuts.
- From the unheated side of the smoke extraction duct, a compensator is mounted. It is 130 mm long and is made of two metal strips 35 mm wide to which a 60 mm wide ceramic cloth, impregnated with fire-resistant elastomer type Fiber Glass, produced by Alnor Poland, is mounted.
- The compensator must always be installed in the unfolded state and aligned horizontally, so it can absorb the different vibrations.



Manager:

Baumba



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