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Authorised and notified according to Article 29 of the Regulation (EU) No 305/2011 of the European Parliament and of the Council of 9 March 2011

European Technical Assessment ETA-25/00468 of 2025/05/16

I General Part

Technical Assessment Body issuing the ETA and designated according to Article 29 of the Regulation (EU) No 305/2011: ETA-Danmark A/S

Trade name of the construction product:	PXG
Product family to which the above construction product belongs:	Air Transfer Grilles
Manufacturer:	Strulik GmbH Neesbacher Straße 15 DE-65597 Hünfelden Telephone: +49 6438 8390 www.strulik.com
Manufacturing plant:	Werk K
This European Technical Assessment contains:	9 pages including 4 annex which form an integral part of the document
This European Technical Assessment is issued in accordance with Regulation (EU) No 305/2011, on the basis of:	EAD 351141-00-1104: Fire-resistant Reactive Air Transfer Grilles
This version replaces:	-

II SPECIFIC PART OF THE EUROPEAN TECHNICAL ASSESSMENT

1 Technical description of product

The air transfer grill system PXG consists mainly of round shaped and rectangular shaped air transfer grilles which are made of intumescent fire protection rigid foam based on polyurethane with a free cross-section of 51%.

The air transfer grill must be applied in the center of the opening. PXG can be attached to bigger sizes with adhesive CB 2011, a fast-curing cyanoacrylate in dimension ≤ 450x450 mm. (9 pcs of PXG).

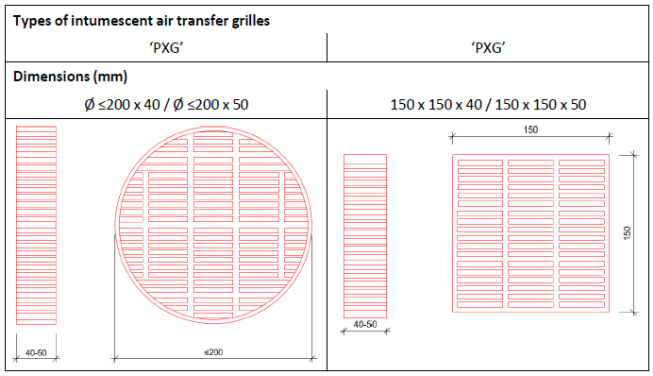


Figure 1: Types of intumescent air transfer grilles.

PXG must be fixed in the opening with ZZ 333, an intumescent pasty, brushable mastic on basis of acrylate with intumescent fire protection additives. The surface of the opening on both sides must be covered with one of the following elements:

Element name	Type	Application
GK-150-B286X286-18	Decorative cover	On both sides of the wall
GK-150-B388X184-18		
GK-150-B508X522-18		
RK-200	Smoke flap	On the non-fire side of the rigid wall (in conjunction with decorative cover)

Table 1: Covering for surface of the openings

Air transfer grilles are intended to maintain the fire resistance of the separating element at the position, where installed to provide path for ventilation. In case of fire such path shall be sealed automatically.

The air transfer grilles are installed in a 100 mm thick aerated concrete (350 kg/m³) wall as well as 100 mm thick flexible wall construction (2x 12.5 mm type F (EN 520) gypsum boards on each side and 40 mm thick mineral wool insulation (100 kg/m^3)).

2 Specification of the intended use(s) in accordance with the applicable European Assessment Document (hereinafter EAD)

Air transfer grilles are incorporated into various elements of a building structure (walls, floors and doors) to provide paths for ventilation and to enable such paths to be sealed automatically into a fire situation.

More information in table, section 3: “Performance of the product and references to the methods used for its assessment”.

Concerning product packaging, transport, storage, maintenance, replacement and repair it is the responsibility of the manufacturer to undertake the appropriate measures and to advise their clients on the transport, storage, maintenance, replacement and repair of the product, as the manufacturer considers necessary.

It is assumed that the product will be installed according to the manufacturer’s instructions or (in absence of such instructions) according to the usual practice of the building professional.

The provisions made in this European Technical Assessment are based on an assumed working life of the air transfer grilles of 10 years when installed in the works.

The indications given on the working life cannot be interpreted as a guarantee given by the manufacturer or the Assessment Body but are to be regarded only as a means for choosing the right products in relation to the expected economically reasonable working life of the works.

3 Performance of the product and references to the methods used for its assessment.

Characteristic	Assessment of characteristic
3.2 Safety in case of fire (BWR 2)	
Reaction to fire	**No performance assessed**
Resistance to fire	Classified according to EN 13501-2, see information in annex A.
3.3 Hygiene, health and the environment (BWR 3)	
Air permeability	**No performance assessed**
3.4 Safety and accessibility in use (BWR 4)	
Durability	Use category: **Type Z_2**
Expansion ratio after exposure to environmental conditions	**No performance assessed**
Expansion pressure after exposure to environmental conditions	**No performance assessed**
Compatibility of materials – change of appearance	**No performance assessed**

See additional information in section 3.8-3.9.

3.8 Methods of verification

The assessment of the performance of the PXG Air Transfer Grilles in relation to the applicable BWR's has been made in accordance with the European Assessment Document (EAD) no. EAD 351141-00-1104: Fire-resistant Reactive Air Transfer Grilles.

Fire-resistant air transfer grilles covered by this EAD are intended for use in internal conditions of type Z_2 in accordance with EAD 351141-00-1104 (intended for conditions with humidity lower than 85 % RH, excluding temperatures below 0 °C, without exposure to rain or UV).

3.9 General aspects related to the fitness for use of the product.

The European Technical Assessment is issued for the product based on agreed data/information, deposited with ETA-Danmark, which identifies the product that has been assessed and judged. Changes to the product or production process, which could result in this deposited data/information being incorrect, should be notified to ETA-Danmark before the changes are introduced. ETA-Danmark will decide if such changes affect the ETA and consequently the validity of the CE marking based on the ETA and if so whether further assessment or alterations to the ETA, shall be necessary.

The PXG Air Transfer Grilles are manufactured in accordance with the provisions of this European Technical Assessment using the manufacturing processes as identified in the inspection of the plant by the notified inspection body and laid down in the technical documentation.

4 Assessment and verification of constancy of performance (hereinafter AVCP) system applied, with reference to its legal base.

4.1 AVCP system

According to the Decision 1999/454/EC amended by Decision 2001/596/EC, the system(s) of assessment and verification of constancy of performance (see Annex III to Regulation (EU) No 305/2011) is **1**.

In addition, with regard to reaction to fire for products covered by this EAD the applicable European legal act is Decision 1999/454/EC amended by Decision 2001/596/EC the system(s) of assessment and verification of constancy of performance (see Annex III to Regulation (EU) No 305/2011) is **1**.

5 Technical details necessary for the implementation of the AVCP system, as provided for in the applicable EAD.

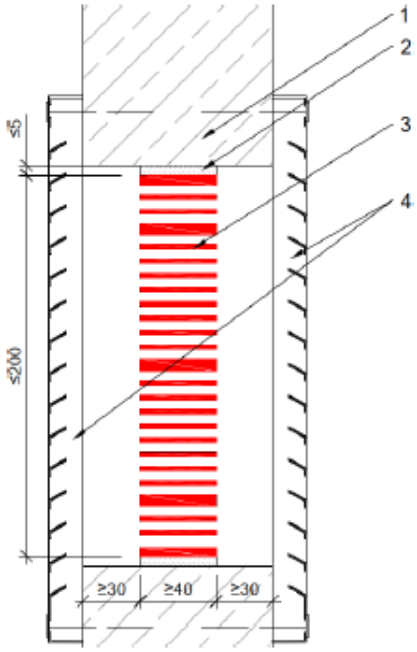
Technical details necessary for the implementation of the AVCP system are laid down in the control plan deposited at ETA-Danmark prior to CE marking.

Issued in Copenhagen on 2025-05-16 by

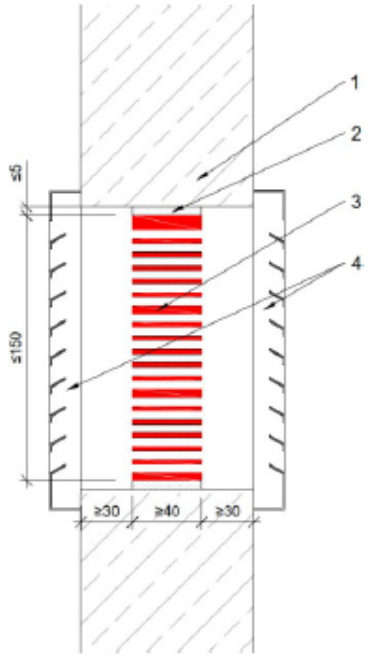
Thomas Bruun
Managing Director, ETA-Danmark

'PXG' with depth ≥ 40 mm installed in the center of the opening using fire protection sealant 'ZZ 333' to fix the air transfer grille with a resulting annular gap ≤ 5 mm between the grille and the perimeter of the opening.
A metal sheet cover grid has to be mounted as per manufacturers installation instructions in front of the opening on each surface of the wall.

a: 'PXG' for opening sizes ≤ Ø 210



b: 'PXG' for opening sizes ≤ 360 x 160



Classification:	Classification:
E 120 / EI 90	E 120 / EI 90

1: Rigid wall
thickness ≥ 100 mm
density ≥ 350 kg/m³

2: 'ZZ 333'
annular gap ≤ 5 mm

3a: 'PXG'
size ≤ Ø 200 mm
depth ≥ 40 mm

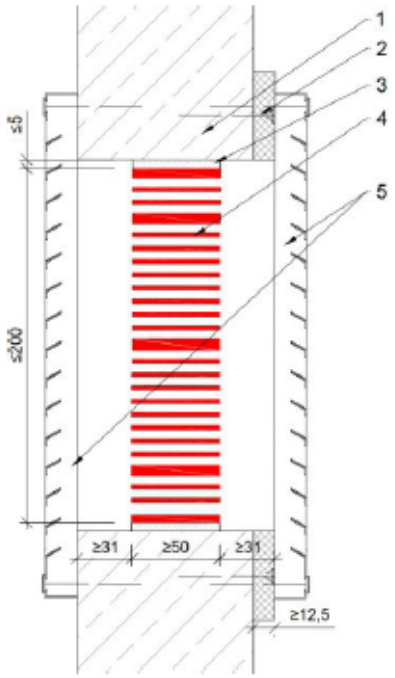
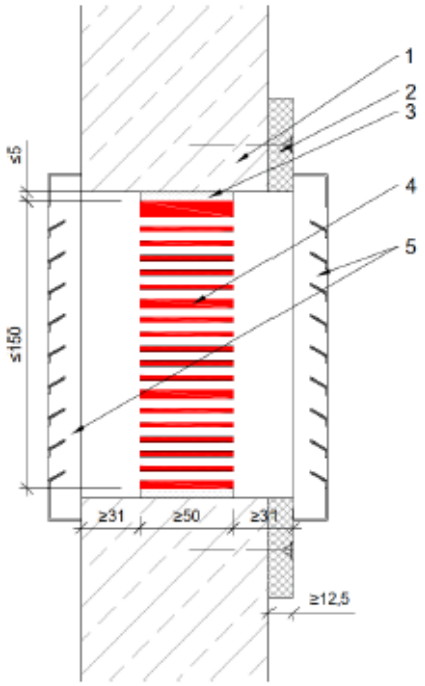
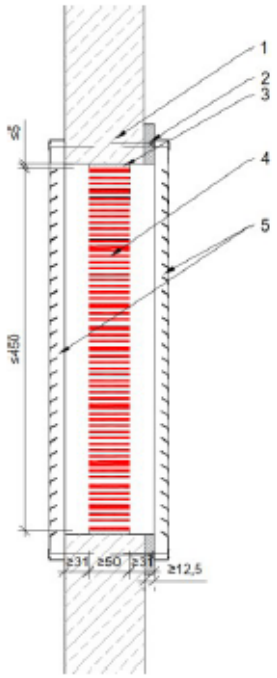
3b: 'PXG' (≤ 2 pcs.)
size ≤ 350 mm x 150 mm
depth ≥ 40 mm

4a: Covering
'GK-150-B286X286-18'
(see Annex A.1)

4b: Covering
'GK-150-B388X184-18'
(see Annex A.1)

PXG	Annex A
Rigid wall constructions with wall thickness ≥ 100 mm **PXG with metal grid cover on both sides of the wall**	

'PXG' with depth ≥ 50 mm installed in the center of the opening using fire protection sealant 'ZZ 333' to fix the air transfer grille with a resulting annular gap ≤ 5 mm between the grille and the perimeter of the opening.
For walls with thickness < 112.5 mm, the wall has to be fitted with a board frame, ≥ 50 mm wide, around the opening. At least 1 layer of ≥ 12.5 mm thick type F gypsum boards can be used.
The board frame has to be fixed with suitable screws at a distance ≤ 200 mm.
A metal sheet cover grid has to be mounted as per manufacturers installation instructions in front of the opening on each surface of the wall.

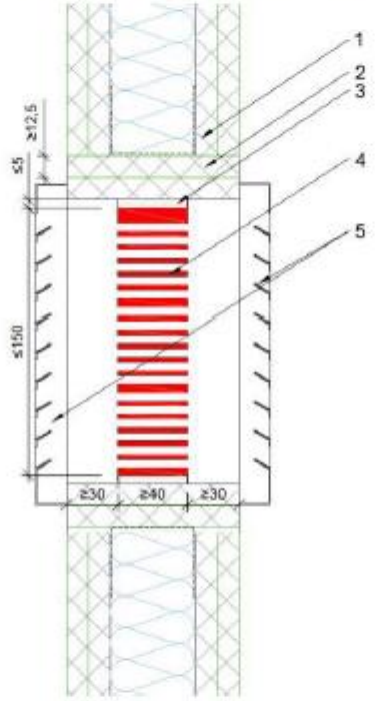
a: 'PXG for opening sizes ≤ Ø 210	b: 'PXG' for opening sizes ≤ 360 x 160	c: 'PXG' for opening sizes ≤ 460 x 460
		
Classification: E 120 / EI 90	Classification: E 120 / EI 120	Classification: E 120 / EI 90

1: Rigid wall thickness ≥ 100 mm density ≥ 350 kg/m³	4a: 'PXG' size ≤ Ø 200 mm depth ≥ 50 mm	5a: Covering 'GK-150-B286X286-18' (see Annex A.1)
2: Type F gypsum board size ≥ 12.5 mm x 50 mm density ≥ 450kg/m³	4b: 'PXG' size ≤ 300 mm x 150 mm depth ≥ 50 mm	5b: Covering 'GK-150-B388X184-18' (see Annex A.1)
3: 'ZZ 333' annular gap ≤ 5 mm	4c: 'PXG' size ≤ 450 mm x 450 mm depth ≥ 50 mm	5c: Covering 'GK-150-B508X522-18' (see Annex A.1)

PXG	Annex A
Rigid wall constructions with wall thickness ≥ 100 mm **PXG with metal grid cover on both sides of the wall**	

'PXG' with depth ≥ 40 mm installed in the center of the opening using fire protection sealant 'ZZ 333' to fix the air transfer grille with a resulting annular gap ≤ 5 mm between the grille and the perimeter of the opening.
The opening has to be lined with at least 2 layer of ≥ 12.5 mm thick type F gypsum boards.
A metal sheet cover grid has to be mounted as per manufacturers installation instructions in front of the opening on each surface of the wall.

'PXG' for opening sizes ≤ 360 x 160



Classification:

E 120 / EI 120

1: Flexible wall
thickness ≥ 100 mm

2: Type F gypsum board lining
depth: 2 layers ≥ 12.5 mm
density ≥ 450 kg/m³

3: 'ZZ 333'
annular gap ≤ 5 mm

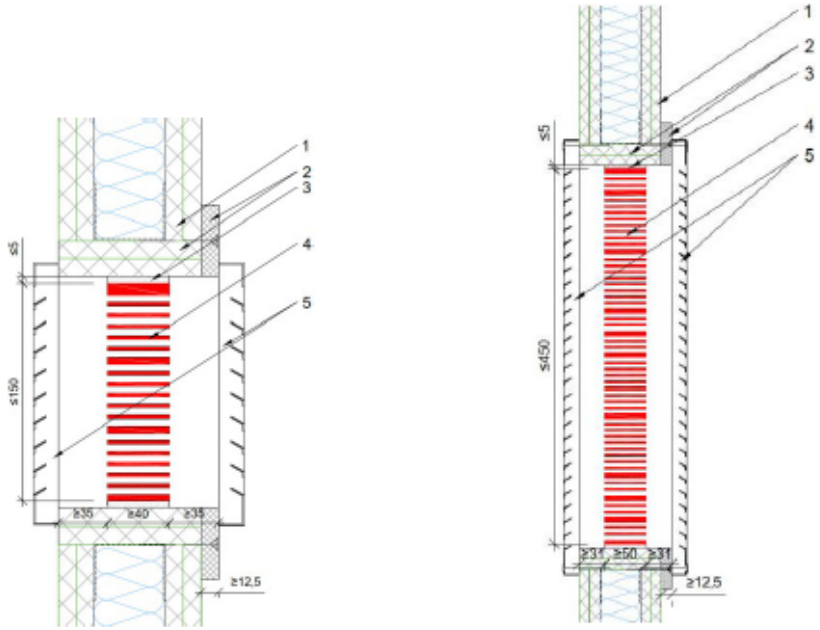
4: 'PXG'
size ≤ 300 mm x 150 mm
depth ≥ 40 mm

5: Covering
'GK-150-B388X184-18'
(see Annex A.1)

PXG	Annex A
Flexible wall constructions with wall thickness ≥ 100 mm **PXG with metal grid cover both sides of the wall**	

'PXG' with depth ≥ 50 mm installed in the center of the opening using fire protection sealant 'ZZ 333' to fix the air transfer grille with a resulting annular gap ≤ 5 mm between the grille and the perimeter of the opening.
The opening has to be lined with 50 mm wide steel studs on top of the mineral wool insulation and additionally at least 2 layer of ≥ 12.5 mm thick type F gypsum boards.
For walls with thickness < 112.5 mm, the wall has to be fitted with a board frame, ≥ 50 mm wide, around the opening. At least 1 layer of ≥ 12.5 mm thick type F gypsum boards can be used.
The board frame has to be fixed with suitable screws at a distance ≤ 200 mm.
A metal sheet cover grid has to be mounted as per manufacturers installation instructions in front of the opening on each surface of the wall.

'PXG' for opening sizes ≤ 460 x 460



Classification:

E 120 / EI 120

1: Flexible wall
thickness ≥ 100 mm

2: Type F gypsum board frame
size ≥ 12.5 mm x 50 mm
density ≥ 450kg/m³

Type F gypsum board lining
depth: 2 layers ≥ 12.5 mm
density ≥ 450 kg/m³

3: 'ZZ 333'
annular gap ≤ 5 mm

4: 'PXG' (≤ 9 pcs.)
size ≤ 450 mm x 450 mm
depth ≥ 50 mm
'PXG' (≤ 2 pcs.)
size ≤ 360 mm x 160 mm
depth ≥ 40 mm

5: Covering
'GK-150-B508X522-18'
(see Annex A.1)

PXG	Annex A
Flexible wall constructions with wall thickness ≥ 100 mm **PXG with metal grid cover both sides of the wall**	