

FIRE SAFETY CERTIFICATION

FIRE PERFORMANCE

No. **APF-1460**

LGAI TECHNOLOGICAL CENTER S.A. (APPLUS), according to the requirements of the SPC-117 certifies the Fire Performances following the Classification and Testing standard for:

Product	KED-120
Company	PROGULF AIRCONDITIONING INDUSTRIES LLC. DUBAI INVESTMENT PARK 2, PO BOX: 37945 DUBAI, UAE
Manufactured	PROGULF AIRCONDITIONING INDUSTRIES LLC. DUBAI INVESTMENT PARK 2, PO BOX: 37945 DUBAI, UAE
Classification and testing standards	BS 476-24:1987: "Fire tests on building materials and structures. Part 24: Method for determination of the fire resistance of ventilation ducts". (More details in Technical Annex)
Product Details and Test Report	Please check at the technical annex and report n° 19/16625-694-1 M1 ER2



LGAI has performed the product initial tests and the initial assessment of the management system. Periodically, the entity does a follow-up assessment of the management system.

Renovation of the initial certificate issued on 04th May 2020

Valid until 31st May 2025

Bellaterra, 3rd May 2024

 LGAI Technological Center, S.A. Xavier Ruiz Peña Product Conformity B. U., Managing Director	
You can check the validity of this certificate on our website: www.appluslaboratories.com/certified_products	

This document is not valid without its technical annex, whose number coincides with the number of certificate.



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CERTIFIED PERFORMANCE

Ventilation duct:

Performance	Time (minutes)
Stability	120
Integrity	120
Thermal insulation	120

Smoke extraction duct:

Performance	Time (minutes)
Stability	120
Integrity	120
Thermal insulation	120

Kitchen extraction duct:

Performance	Time (minutes)
Stability	120
Integrity	120
Thermal insulation	120

Product Application

- Product trade name: KED-120.
- Ducts type A & B.
- Material: GI steel, Mild Steel and Stainless steel.
- Rectangular and circular ductwork.
- Installation: Horizontal and vertical.
- Intumescent seals between duct sections:
 - Intumescent gasket reference "Arboseal Intumescent Tape" or "Firewall FG 15X3 Intumescent Tape".
 - Intumescent sealant reference "Arbosil XL1075" or "Firewall FS 240".

Rectangular ducts:

Longer side (mm)	Thickness (mm)	Installation	Stability (min)	Integrity (min)	Insulation (min)
400	1,2	Horizontal Vertical	120	120	120
600	1,2	Horizontal Vertical	120	120	120
800	1,2	Horizontal Vertical	120	120	120
1000	1,2	Horizontal Vertical	120	120	120
1600	1,2	Horizontal Vertical	120	120	120
2000	1,2	Horizontal Vertical	120	120	120
3000	1,2	Horizontal Vertical	120	120	120

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Circular ducts:

Diameter (mm)	Thickness (mm)	Installation	Stability (min)	Integrity (min)	Insulation (min)
400	1,2	Horizontal Vertical	120	120	120
600	1,2	Horizontal Vertical	120	120	120
800	1,2	Horizontal Vertical	120	120	120
1000	1,2	Horizontal Vertical	120	120	120
1250	1,2	Horizontal Vertical	120	120	120