

PEFLEX 2PA / TECHNICAL DATA

THERMALLY INSULATED

DESCRIPTION

Peflex 2PA is an insulated flexible air fitting composed of a polyester layer and a polyester layer encapsulating a galvanized wire

Peflex 2PA is corrosion resistance and completely water repellent and withstands high operating pressures (10 in. H₂O (2.5 kPa)). The high operating pressure is made possible by the small distance between the wire helix (1 in, 25,2 mm) as well as by the size of the duct wall (0.0086po (34µm)).

Peflex 2PA provides excellent flame resistance as the adhesive and membranes contain retardants.

Peflex 2PA has a much lower internal coefficient of friction than regular flexible ducts made from fabric reducing the energy required by the system to move air.

Peflex 2PA is the perfect solution for economical installation.

Available diameter: 3''- 4''- 5''- 6''- 8''- 10''- 12''- 14''- 16''- 18''

Insulation: John Manville Flex-Glass certified formaldehyde-free and non-hazardous to health (see technical

sheet)

Standard 25' length in a 30'' box

INSTALLATION WARNING – ACOUSTIC FLEXIBLE DUCTS

1. Before installing any flexible ducts, ensure that the operating conditions comply with good engineering practices as recommended by ASHRAE.

2. Analyze the location within the HVAC system: Supply zone, return zone, transition area, etc.

3. Confirm the expected airflow and pressure conditions in the section where the duct will be installed.

4. Ensure the selected duct is suitable for the intended use based on the manufacturer's technical specifications.



Flame spread	< 25
Fume development	< 50
Maximum air velocity	5000 ft/minute
Maximum continuous positive static pressure	10 in. H ₂ O (3,7 kPa)
Maximum continuous negative static pressure	1 in. H ₂ O (0,62 kPa)
Temperature range	-30 °F to 250°F (-30°C à 121°C)
Maximum operating temperature	-30°F to 140°F continuously (to 4 ''WC) -30°F to 180°F continuously (to 2 ''WC) -30°F to 250°F continuously (to ½''WC)
R coefficient of insulation	4.2 – 6 – 8.4
Vapor barrier materials	Metallic Polyester
Flexible duct thickness	0,0033''/0,085 mm
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* Duct cleaning instructions, always refer to NADCA methods and experts

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* The duct is listed C-UL-S110 - US-UL-181 Conduit Flexible Classe 1

*The C-UL-S110 standard includes NFPA-90A and B tests.

