

FirstDuct™



PIR Pre-Insulated Aluminium Panels for Air Duct

A photograph showing a large-scale installation of a ducting system in a modern building. The system consists of long, rectangular, pre-insulated aluminium panels supported by a white metal truss structure. The panels are arranged in a grid pattern, with numerous circular air outlets visible. The background shows a glass and steel structure, and there are decorative blue and red flower-like light fixtures hanging from the ceiling.

Advanced Ducting System

FirstDuct™



PT Airduct Panelindo

Quality, Service and Green

In any environment, we need clean and fresh air. Our superior quality pre-insulated aluminum polyisocyanurate (PIR) panels, flexible ducts and various accessories are the perfect solutions to your air conditioning needs in the HVAC industry. We are a company with ISO 9001:2008 status and also a member of the Indonesian Green Building Council.

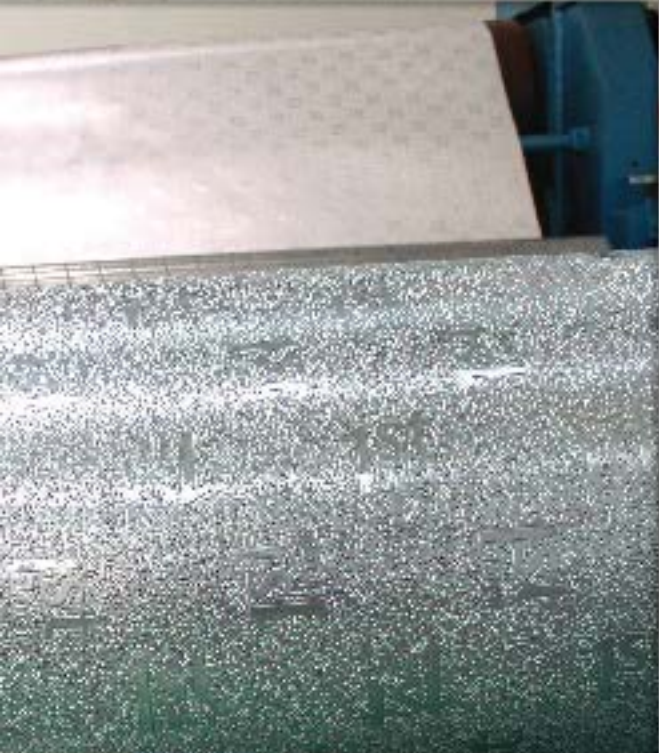


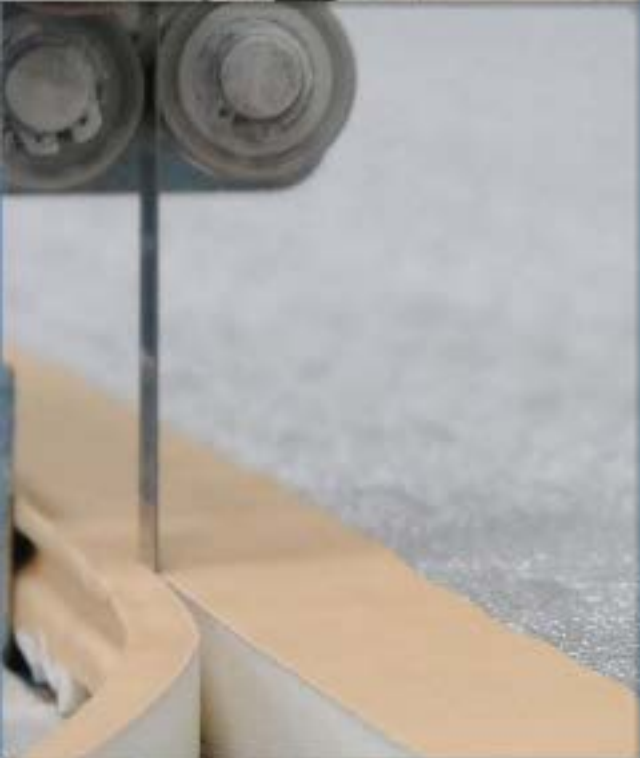
Certified Company
Cert. No. 14 199 1400



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FirstDuct™

Our Company

Incorporated in 2003, we have dedicated ourselves in the air-conditioning industry by supplying high quality air-conditioning units, ducting construction and installations.

With our expertise and a built-up factory area of 12,000 sq meters, we are able to offer you our quality products and quality services for your needs in the HVAC industry.




Advantages

- Excellent insulation properties
- Ignitability Index 0
- Spread of Flame Index 0
- Heat Evolved Index 0
- Reduce construction time and cost
- Eco-friendly product (CFC-Free)
- Lightweight material with built-in PIR Core
- Longer life span 20 years
- Create thermal comfort
- Cleanable & Hygienic
- Noise reduction
- Energy saving

1stTM
duct

A close-up photograph of a white, rectangular panel with a highly textured, embossed surface. The texture consists of small, irregular, raised patterns. The panel is shown at an angle, highlighting its thickness and the depth of the embossing. The background is a dark blue gradient.

Embossed finishing

A close-up photograph of a white, rectangular panel with a smooth, glossy surface. The panel is shown at an angle, highlighting its thickness and the clean, uniform finish. The background is a dark blue gradient.

Smooth finishing

Specifications

Panel dimensions (mm)	4000 x 1200 x 20
Density of polyisocyanurate (PIR) 53 +/- 2 kg/m ³	
Aluminium foil thickness	80 micron
Fire retardant	class O
Thermal conductivity	0.0194 w/m.k
Friction losses	0.0135
Pressure in duct max	2000 pa
Working temperature	-60°C - +80°C
Air flow max	12 m/s
Weight	1.48 kg/m ²

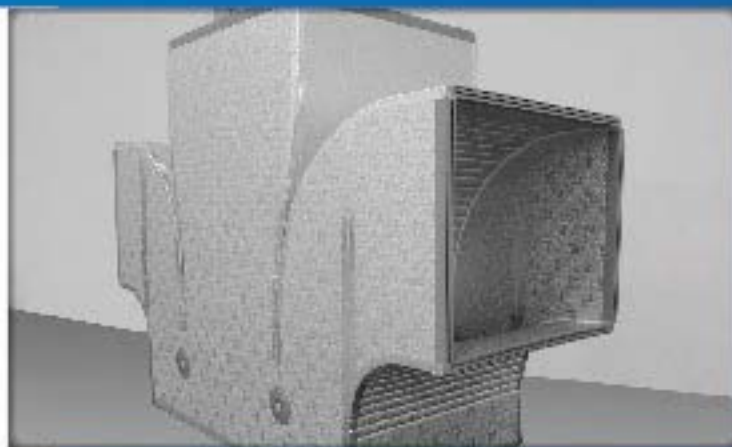
PIR (Poly Isocyanurate Rigid Form) is an improvement from PUR (Poly Urethane Rigid Form) with better fire retardancy, higher density and better R value.

Approved by : Fire Fighting and Disaster Mitigation Office Jakarta (Number : 3402 / -1.784.25)
Density Test : ASTM 3574
Flammability : UL - 94

ISO 9001 : 2008
Registration Number : 16 00 E 14083
ISO 14001 : 2004
Registration Number : 0804 E 14033
OHSAS 18001 : 2007
Registration Number : 05 01E 14016



Thermal insulation	★★★★★
Air seal	★★★★★
Friction loss	★★★★★
Acoustics	★★★★★
Air quality and hygiene	★★★★★
Lifespan	★★★★★
Safety	★★★★★
Transport	★★★★★
Construction	★★★★★
Installation	★★★★★
Availability	★★★★★
Easy estimation	★★★★★
Competitiveness	★★★★★
Energy saving	★★★★★



Performance of First Duct panels



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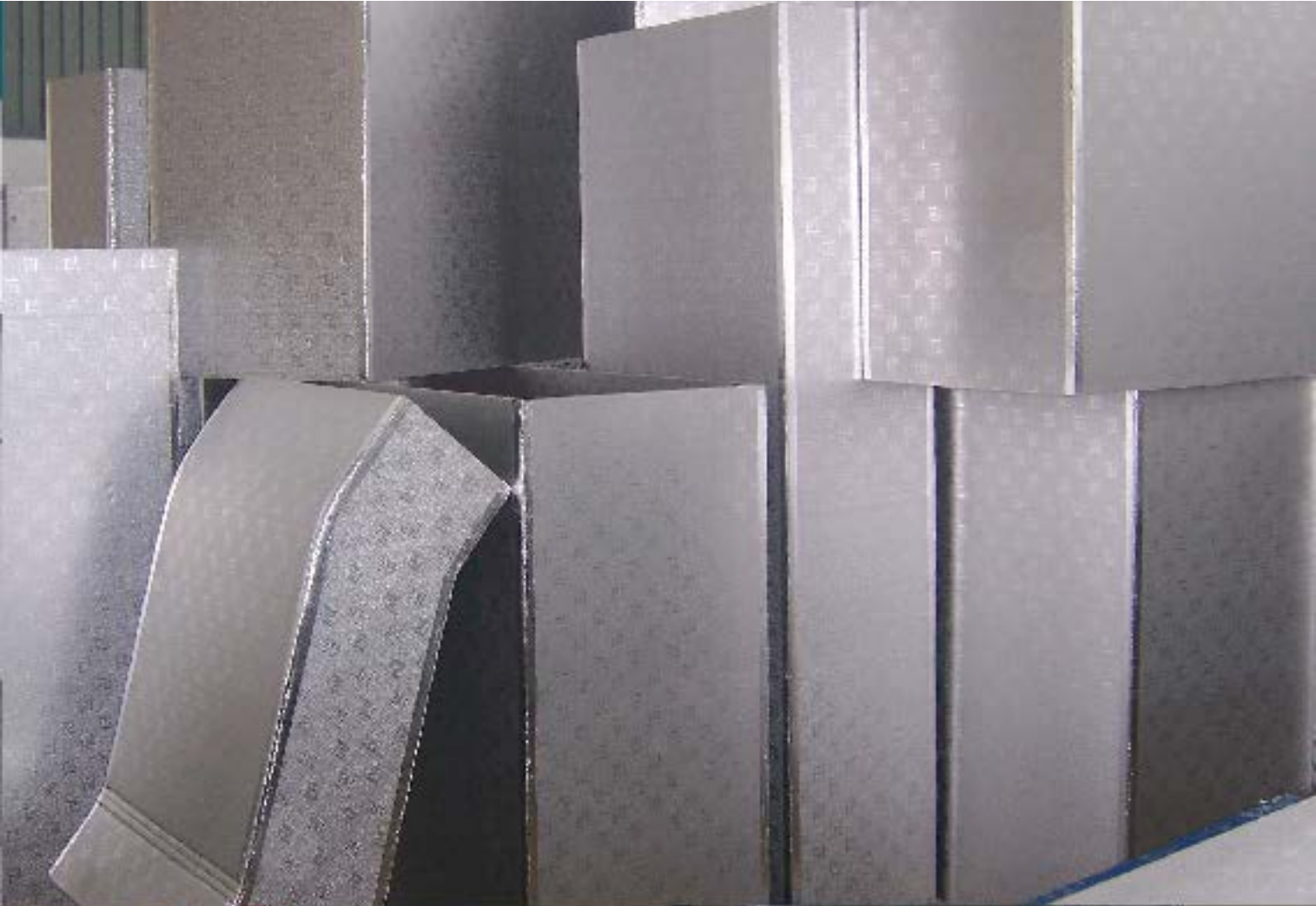


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Performance of flexible ducts

Performance of spiral type
sheet metal ducts

Performance of rectangular
sheet metal ducts



Project Ciputra Office, Jakarta



Project Kuningan City, Jakarta



Project Pabrik United Can, Jakarta



Project Soekarno Hatta Airport,
Terminal C, Jakarta



Jakarta Monorel Exhibition



Project Nusa Dua Convention Center, Bali



Project Sari roti, Cibitung



Project Sido Muncul

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