



EA[®]
SY PRE INSULATED
DUCT SYSTEM



PRE INSULATED DUCT SYSTEM

Features and Benefits

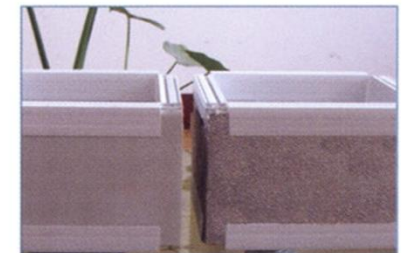
Hygiene & Air Quality

- No release of particles due to internal aluminum surface
- Improved Air Quality as the aluminum surface prevents growth of bacteria and fungi.



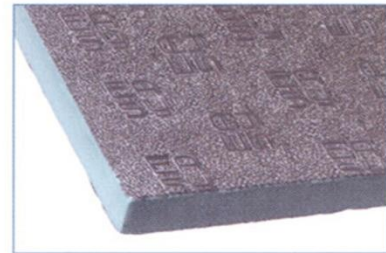
Air Seal

- Invisible flanging system ensures low level of Air Leaks when compared to conventional ducts.
- Elimination of the longitudinal leaks and the reduction of ones at the transversal junction.



Superior thermal Insulation

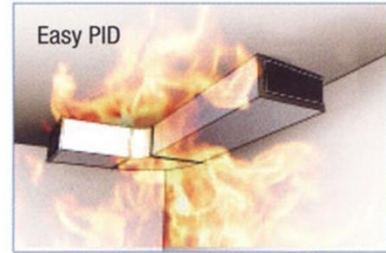
- High thermal insulation with closed cell structure and superior thermal conductivity @ λ 0.021 W/(m°C)



type of material	Term. Conduct λ (10°C)/(W/(m°C))
Fiber Glass	0.034
Nitrile Rubber	0.034
Easy Panel	0.021

Fire Resistance

- Self extinguishing properties,
- low fire participation
- No flaming droplets



PRE INSULATED DUCT SYSTEM Construction

- Possibilities to fabricate & repairs of ducts at workshop or directly at site.
- Ease of transport



PRE INSULATED DUCT SYSTEM Installation

- Lightness of Easy PID ensures easy installation and reduced weight on the structures.
- Less labor time and materials cut the cost of installation.



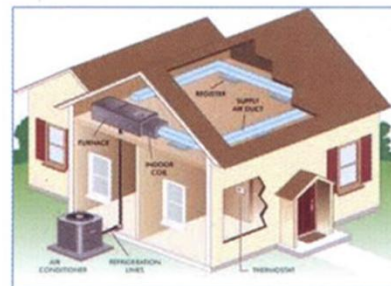
PRE INSULATED DUCT SYSTEM Environmental Friendly

- CFC- free production makes EASY PID environmentally friendly and eligible to green building concept.



PRE INSULATED DUCT SYSTEM Economical

- Low thermal values and reduced air leakage helps in Energy saving and operating cost.
- Competitive compared to traditional ducts.



TYPES OF PANELS

Conditioned Area Application



EZ-12AP21 CONDITIONED AREA PANEL

Size Of The Panel	4000X1200MM
Thickness Of The Panel	20 MM
Thickness internal/external aluminium	80 / 80 µm
Finish Of The Aluminium	Embossed

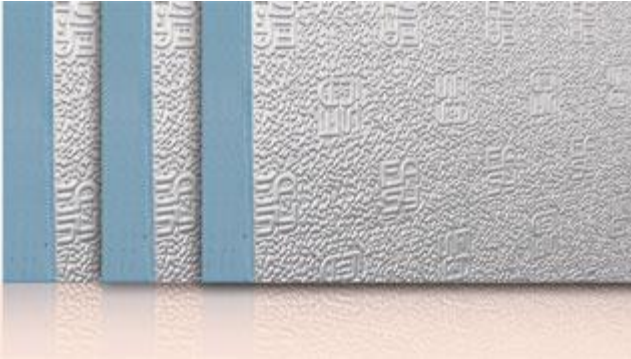


EZ-12ASP21 CONDITIONED AREA PANEL

Size Of The Panel	4000 X 1200 mm
Thickness Of The Panel	20 mm
Thickness internal/external aluminium	80 / 80 µm
Finish Of The Aluminium	Embossed/Smooth

TYPES OF PANELS

Unconditioned Area Application



EZ-12AS31 UNCONDITIONED AREA PANEL

Size Of The Panel	4000X1200MM
Thickness Of The Panel	30 MM
Thickness internal/external aluminium	80 / 200 µm
Finish Of The Aluminium	Embossed/Embossed



EZ-12AR31 UNCONDITIONED AREA PANEL

Size Of The Panel	4000 X 1200 mm
Thickness Of The Panel	30 mm
Thickness internal/external aluminium	80 / 80 µm
Finish Of The Aluminium	Embossed/Embossed

TYPES OF PANELS

Unconditioned Area Application



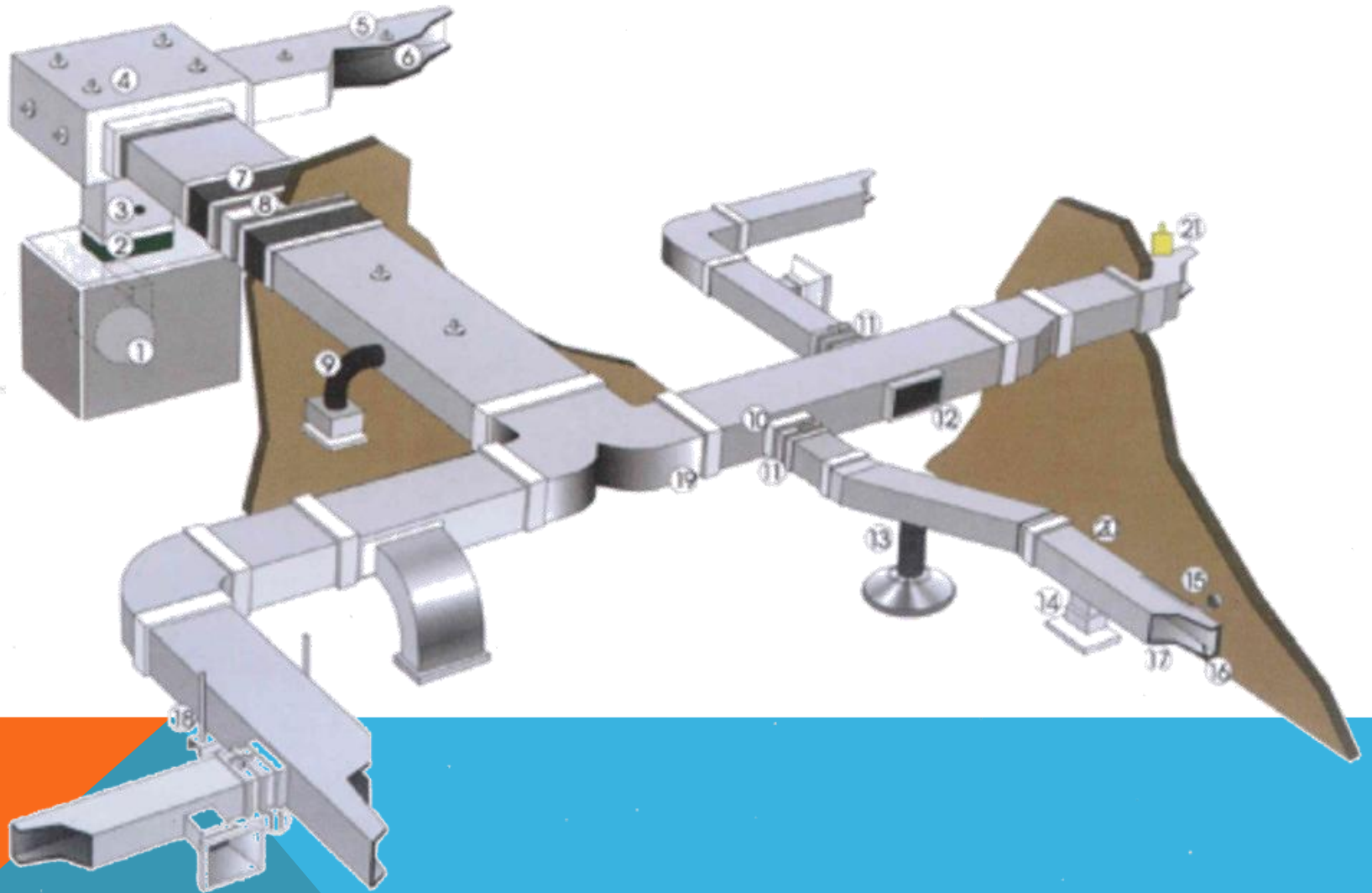
EZ-12AS21 UNCONDITIONED AREA PANEL

Size Of The Panel	4000X1200MM
Thickness Of The Panel	20 mm
Thickness internal/external aluminium	80 / 200 µm
Finish Of The Aluminium	Embossed/Embossed

Certification Available:

British Standard 476 part 6 & 7	UL GREENGAURD Gold
Fungi Resistance Test ASTM G21	Dubai Central Laboratory
NES 713 toxicity index	CFC/HCFC free
Certifier CF 777	UL-723 (ASTM E84)

ACCESSORIES



Invisible flange joint and tee connector

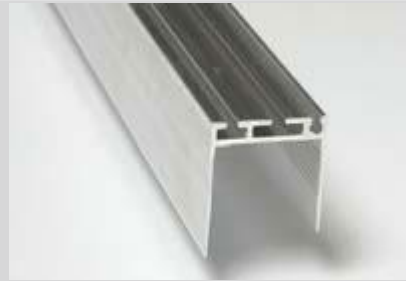
EZ - FI02LO - Invisible flange joint aluminium 20 mm

This special aluminium flange permits 20 mm th. ducts to be joined with extremely low leakage. The bars are supplied in 4 meter lengths.



EZ - FI03LO - Invisible flange joint aluminium 30 mm

This special aluminium flange permits 30 mm th. ducts to be joined with extremely low leakage. The bars are supplied in 4 meter lengths.



EZ - FI12LO - Invisible flange joint polymer 20 mm

This special polymer flange permits 20 mm th. ducts to be joined with extremely low leakage. The bars are supplied in 4 meter lengths.



Invisible flange joint and tee connector

EZ - FT02LO / EZ - FT02LO - Tee connector flange joint 20/30 mm

This flange permits the flanging of one duct into the side of another take-offs as tap-in or plenum chamber. The bars are supplied in 4 meter length..



EZ-FH00LO - H polymer bayonet

Built in shock-resistant polymer, this piece permits "invisible flanges" to be connected. Supplied in 4 meter rods.



EZ-AP92LO / EZ-AP93LO - Covering angle 20/30 mm

Grey polymer covering angle.



Invisible flange joint and tee connector

EZ-AZ92L0 / EZ - AZ93L0- Zinc-coated steel angle bracket 20/30

1.5 mm thick zinc-coated steel angle bracket.



AHU & Grilles connections

EZ-FF02L0 / EZ-FF03L0 - " F" section bar in aluminium - 20/30mm

Permits all accessories with fastening frames higher than 20 mm to be fastened to the ducts. Supplied in 4 meter rods



EZ-FC02L0/EZ-FC03L0 - Chair section bar in aluminium - 20/30 mm

Used to fasten ducts to air handling units and in the assembly of linear diffusers. This section bar is supplied in 4 meter rods.



Reinforcement

EZ-FR00LO - Reinforcement section bar in aluminium

Special high stiffness aluminium alloy reinforcement section bar. Bars are supplied in 4 meters rods



EZ-AD90LO - Aluminium shaped disk

Aluminium disk to distribute the pressure created at the center over a wider surface to prevent damage to the panel. Disk diameter 100mm, hole diameter 10 mm.



EZ-ASC230 - Self threading screws

Hexagon head self-threading screws with washer. Used to fasten reinforcement section bars, wing-profile turning vanes and splitters in elbows, etc.



Glues, tapes and sealants

EZ- AG90LO - Paint glue 15 kg

Special glue formulated to obtain perfect adhesion on easy panels foam. The product is supplied ready-to-use.



EZ- AT 89LO / 90 LO - Easy aluminium tape

Self-adhesive aluminium tape to use in the construction of the ducts.
Supply: 30 meters roll and 24 rolls pack.



Glues, tapes and sealants

EZ-AS90LO – Duct Sealant

Single component silicone sealant.
280 cc stick



EZ-AG85LO - Profiles glue

Medium-viscosity adhesive for the
gluing of aluminium and Polymer
section bars. 500 gr pack.



PRE-INSULATED DUCTING SYSTEMS

Salient features of Pre-insulated duct system:

- Advantages – One System
- Guaranteed thermal Insulation
- Reduced losses due to leakage
- Ensure indoor air quality
- Lightweight ducts, that are easy to install





**Dubai World Trade Centre
Expansion**



Lapita Hotel – Dubai Parks



Burj Khalifa



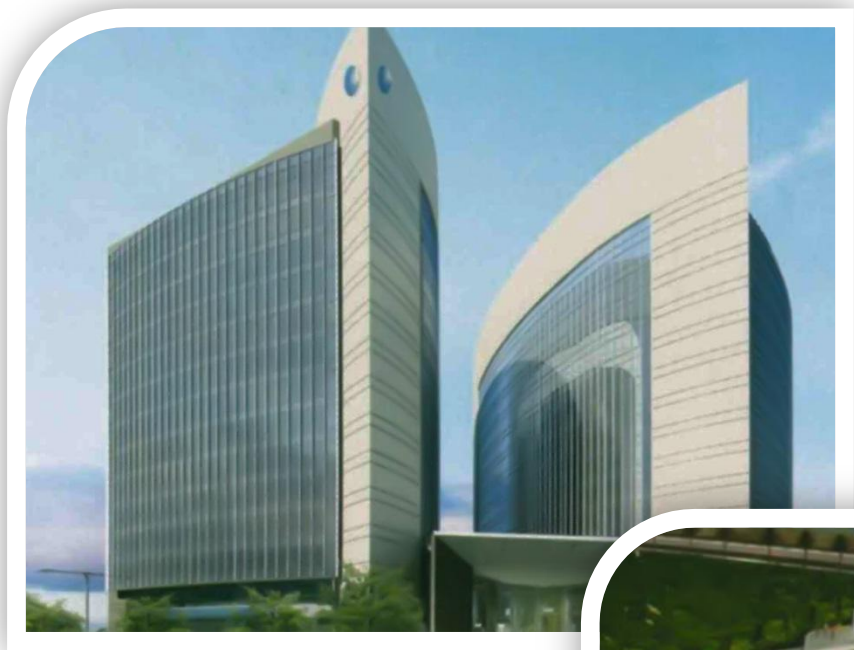
Burj Al Arab



Meydan Development

Ferrari World – Abu Dhabi





Abu Dhabi Islamic Bank HQ

W Hotel – Palm Jumeirah





**Madinat
Jumeirah Hotel**

**Dubai Mall Expansion & Rove
Hotel**

