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Your Insulation Solution PIR Pre-insulated Duct System PIR 风管系统



ECONOMIC/ EFFICIENT/ ENVIRONMENTAL 经济/高效/环保

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福建鑫永华工业有限公司
FUJIAN UNT INDUSTRY CO., LTD.

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公司简介 COMPANY PROFILE

福 建鑫永华工业有限公司成立于 2018 年(前身是厦门鑫永华节能科技有限公司,成立于 2013 年),几位联合创始人在 PU 和 PIR 泡沫行业均拥有超过 15 年从业经验。

福建鑫永华工业有限公司致力于研发和生产中央空调通风管道用的聚氨酯 (PU)/聚异氰脲酸酯 (PIR) 复合板材。鑫永华通风管道系统不仅基于复合风管板材,而且还包括配件,切割机械,工具,专业建造和安装所需的专业知识。

我们在全球拥有强大的销售团队和服务网络,我们 90% 以上的产品出口到 30 多个海外国家,如澳大利亚,阿尔巴尼亚,巴西,哥伦比亚,多米尼加,科威特,缅甸,卡塔尔,沙特阿拉伯,西班牙,泰国,阿联酋,委内瑞拉。

Fujian UNT Industry Co., Ltd. was established by several co-founders who have more than 15 years experience in Polyisocyanate (PIR) Foam Industry. We have become the leading manufacturer of PIR Pre-insulated Duct System for HVAC air distribution in China with joint efforts of all staff for years.

UNT provides specialized and comprehensive training programs to appointed distributors and clients in order to ensure that their fabricators carry out the fabrication of UNTDuct Pre-insulated Ducting System for any Project directly at site, assuring fast and more accurate execution of duct installation requirements. UNT also provides technical support to appointed distributors and clients in order to ensure its satisfaction throughout the consistent quality of ducting fabrication and installations supplied.

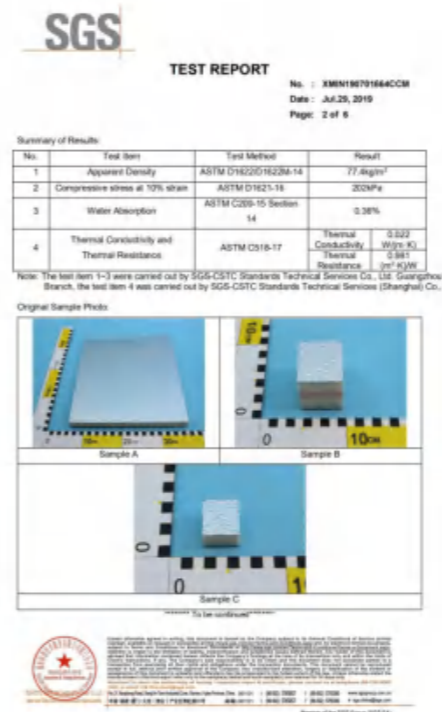
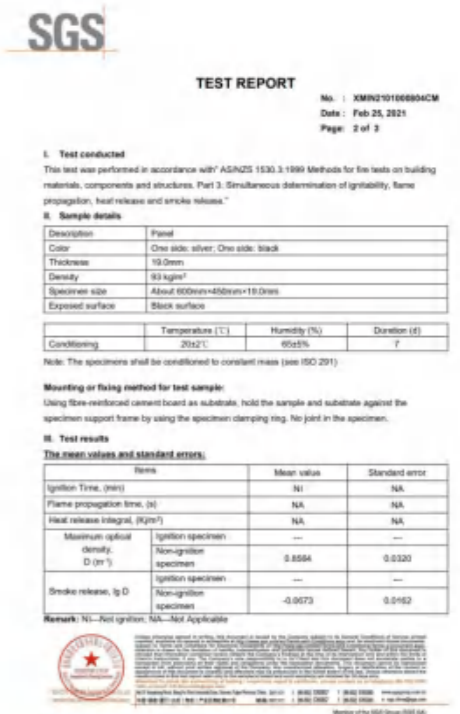


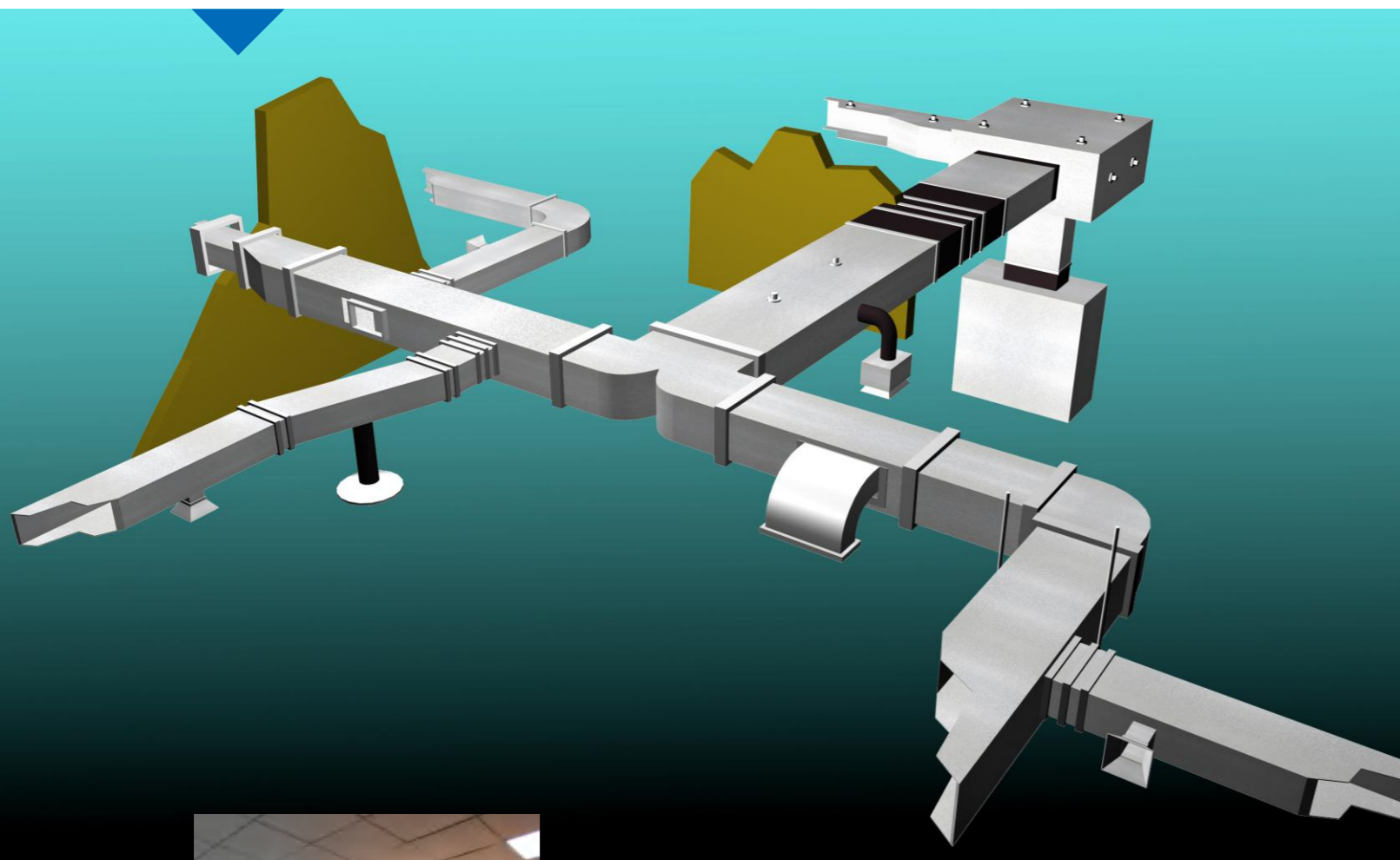
福建鑫永华工业有限公司
FUJIAN UNT INDUSTRY CO., LTD.

生产车间
PRODUCTION BASE



公司荣誉
COMPANY HONOR





PIR风管系统 UNTDUCT PIR SYSTEM

鑫永华复合风管系统 PIR 预保温风管 (PIR Pre-insulated Duct) 是一种高科技发泡的 PIR 板材, 是由 PIR 原料均匀喷涂在彩钢、铝箔、铝板等面材上, 在一定温度下发泡并经过层压机压制成型。这种板材防火等级达到 B1 级 (GB 8624-2006), 燃烧时不释放黑色毒烟, 不含 CFC 和 HCFC, 是

一种环保材料。PIR 风管板表面复合抗菌抗氧化涂层的铝箔或彩钢板/铝板, 非常坚固耐用, 表面不易被腐蚀生锈, 外表洁净卫生, 不会因为吸附空气中水分而产生结露, 使用寿命达到 20 年以上。由于采用闭孔率 95% 的 PIR 泡沫为板芯, 这种风管板材具有超优隔热性能 (0.022w/m.k) 和隔音性能, 非常节约能源, 也不会有振动及回音等噪音问题发生。PIR 风管系统已被全世界风管业界认定是非常经济、非常专业、非常具有建设性的高水准的新风管系统。

鑫永华PIR风管系统包括:

板材: 以高性能硬质 PIR 泡沫为芯材, 双面复合彩钢/铝箔制成夹芯板材

设备: 专业的手动工具和自动切割机械;

附件: 法兰, 型材和其他用于风管连接和安装的附件

技术支持: 配套施工指导手册, 也提供到工地现场指导制作安装服务

UNTDuct System is like no other insulated ductwork system. It is the most advanced and innovative system of pre-insulated air distribution ductwork available in China. The UNTDuct System is proven to be innovative product that is easy to install and maintain providing a new perspective in the field of air distribution.

Panels: Closed-cell PIR / PU / Phenolic foam sandwich panels covered with aluminum foil

Equipment: professional hand tools and automatic machinery;

Accessories: flange, section bar and other accessories for duct joining and installation

Technical Support: specialized training programs for duct manufacturers

PIR风管板材 PIR PRE-INSULATED DUCT PANEL



板材结构: 铝箔/ PIR泡沫/ 铝箔
Panel Structure: Alu. Foil/ PIR Foam/ Alu. Foil
板芯密度(Foam Density): 50kg/m³
板材尺寸(Panel Size): 4000mm*1200mm*20mm
铝箔厚度(Alu. Thickness): 0.06mm/ 0.08mm



板材结构: 铝板/ PIR泡沫/ 铝箔
Panel Structure: Alu. Sheet/ PIR Foam/ Alu. Foil
板芯密度(Foam Density): 50kg/m³
板材尺寸(Panel Size): 4000mm*1200mm*20mm
铝板厚度(Alu. Sheet Thickness): 0.18mm
铝箔厚度(Alu. Thickness): 0.06mm/ 0.08mm



板材结构: 黑色铝箔/ PIR泡沫/ 银色铝箔
Panel Structure: Black Alu. Foil/ PIR Foam/ Silver Alu. Foil
板芯密度(Foam Density): 50kg/m³
板材尺寸(Panel Size): 4000mm*1200mm*20mm
铝箔厚度(Alu. Thickness): 0.06mm/ 0.08mm

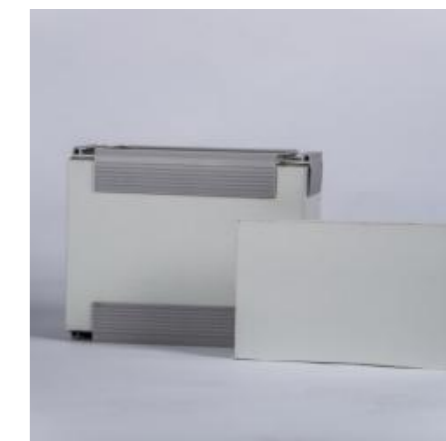
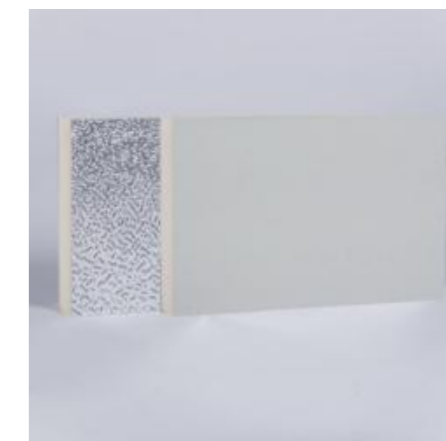
The PIR Panels are also available with thickness 10, 20, 25, 30, 40mm.

PIR风管板材 (钢面型) PIR PRE-INSULATED DUCT PANEL (WITH PAINTED STEEL)

板材结构: 彩钢/ PIR泡沫/ 铝箔
Panel Structure: Painted Steel/ PIR Foam/ Alu. Foil
板芯密度(Foam Density): 50kg/m³
板材尺寸(Panel Size): 4000mm*1200mm*20mm
铝箔厚度(Alu. Thickness): 0.06mm
彩钢厚度(Steel Thickness): 0.18mm

板材结构: 彩钢/ PIR泡沫/ 彩钢
Panel Structure: Painted Steel/ PIR Foam/ Painted Steel
板芯密度(Foam Density): 50kg/m³
板材尺寸(Panel Size): 4000mm*1200mm*20mm
彩钢厚度(Steel Thickness): 0.18mm

板材结构: 镀锌板/ PIR泡沫/ 铝箔
Panel Structure: G.I. Steel/ PIR Foam/ Alu. Foil
板芯密度(Foam Density): 50kg/m³
板材尺寸(Panel Size): 4000mm*1200mm*20mm
镀锌板厚度(G.I. Steel Thickness): 0.18mm



本公司也可定制 10, 20, 25, 30, 40mm厚度的PIR板材

SPECIFICATION OF PIR PRE-INSULATED DUCT PANEL PIR风管板材技术参数

项目	单位	参数
板材结构/Panel Structure		彩钢/PIR/铝箔
板材尺寸/ Panel Size	mm	4000*1200
板材厚度/ Panel Thickness	mm	20
彩钢厚度/ Steel Thickness	mm	0.18
铝箔厚度/ Alu. Thickness	mm	0.06
板材密度/ Foam Density	kg/m ³	50
导热系数/Thermal Conductivity	w/m.k	0.022
吸水率/ Water Absorption Rate	%	≤0.36
工作温度/ Working Temperature	°C	-40 到 +70
最大风速/ Max Wind Speed	m/s	≤15
压缩强度/ Compressing Strength	kPa	348
使用寿命/ Life Span	years	>20
隔热层防火等级/ PIR Fire Safety	GB 8624-2012	B1级
隔热层防火等级/ PIR Fire Safety	BS476Part6&7 ASTME84	Class 0 Class A
保护层防火等级/ Covering Fire Safety	GB 8624-2012	A级
氧指数/ Oxygen Index	GB 8624-2012	30
漏风量/ Air Leakage Rate	%	≤2
闭孔率/ Closed Cell Rate	%	>95%

PIR风管系统优势 ADVANTAGES OF UNTDUCT SYSTEM



安全性能:PIR 风管系统具有优良的阻燃性能,不易溶,产生的烟气毒性低,已被全世界重要国际防火组织认定为最安全的风管系统(防火等级 Class 0 - BS 476 Part 6&7, 相当于国内B1级标准 GB 8624-2012)

隔热节能:PIR 板材导热系统低至 0.022w/m.k, 保证风管系统具有超强隔热效果,减少大量能源损耗

洁净美观:PIR 板材双面复合抗菌抗氧化涂层压花铝箔,外表美观,又能保持管道洁净,提升空气品质

施工方便:20mm 厚度 PIR 板材每平方米仅重 1.4kg,是传统铁皮风管的 1/10 重量,便于运输和现场制作安装,节约大量运输和人工成本

隔音降噪:由于PIR泡沫具有优良的吸震隔音性能,PIR 风管系统不会产生烦人的噪音和振动,提高空间舒适性

使用寿命:铝箔表面有抗腐蚀涂层,大大增加使用年限,易于维护保养,使用寿命超20年

吸水性低:PIR 板材经 24 小时浸泡,吸水率低于 2%,适用于厨房、游泳池和桑拿房等易腐蚀潮湿环境

高气密性:辅以专用连接和加固配件,PIR 风管系统的气密性远远优于传统风管,气密性是传统铁皮风管的8倍以上,可减少耗电和增强装冷房效果

安全环保:使用全水配方发泡,成品不含CFC、HCFC等有害物质

使用广泛:PIR 风管广泛应用于医院、药厂、肉品食品厂、机场、学校、电子厂、无尘车间,化工厂、超市等大型场所和一般住家、店面等任何建筑,特别适用于施工空间狭小的老旧建筑改造

Safety: UNTDuct System have a low participation in fire, do not drop and smokes have a reduced opacity and toxicity. UNTDuct is in conformity with the requirements of the most restrictive international regulations.

Thermal insulation: Special closed-cell insulation guarantees low thermal conductivity and limit the risk of condensation.

Hygiene and air quality: the use of aluminium for the internal surfaces of the ducts ensures hygiene and cleanliness. Contains no microfibers, resistance to fungus growth;

Lightweight: the very light weight allows a reduction of weight on the structures, supporting points, workmanship costs and materials necessary for the installation.

Energy saving: perfect thermal insulation and optimum airtight seal allow for maximum exploitation of air handling unit capacity, increasing efficiency and reducing operating costs.

Construction easiness: possibility of manufacturing ducts in the work shop or directly at job site with considerable advantages on transport costs. No limits to duct sizes;

Silent operations: the sandwich structure (aluminium – insulating material – aluminium) guarantees a good acoustic behaviour. Vibration and reverberation are stopped by the insulating material, contributing to a higher comfort in the environment where UNTDuct is installed.

Space saving: flush fitting installation possible;


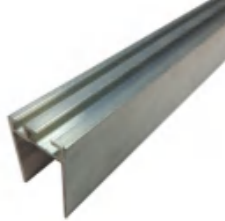
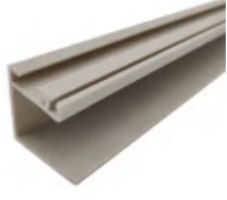
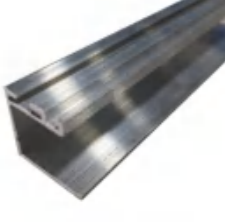



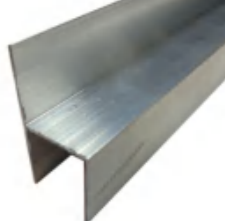




Environmentally friendly: Foam with CFC / HCFC-free raw material;

Low leakage: fully sealed systems keep linear friction losses at very low levels.

工具配件 TOOLS & ACCESSORIES

A complete range of tools and accessories for rigid duct fabrication and connections are available.

Zinc-coated Steel Angle Bracket		Steel Duct Hanger Support	
PVC Covering Angle		Tiger Connector	
G.I. Shaped Disc		Manual Fabrication Tool Kit for Pre-insulated Duct	
Silicone Sealant Adhesive		Manual Fabrication Cutters for Pre-insulated Duct	
Aluminum Adhesive Tape		Manual Bending Machine	

PVC Invisible Flange Joint		Aluminum Invisible Flange Joint	
PVC Tee Connector Flange Joint		Aluminum Tee Connector Flange Joint	
PVC H Bayonet		Aluminum F Section Bar	
PVC F Section Bar		Aluminum h Section Bar	
PVC h Section Bar		Aluminum U Section Bar	
PVC U Section Bar		Aluminium Reinforcement Section Bar	

工程案例 PROJECT CASES



福建鑫永华工业有限公司
FUJIAN UNT INDUSTRY CO., LTD.
GREEN FOAM INSULATION MATERIAL CO., LTD.



工程案例 PROJECT CASES



GOLD COAST UNIVERSITY HOSPITAL



SUNSHINE COAST PRIVATE HOSPITAL



福州平潭协和医院



中车宝鸡混合动力轨道车内饰项目