



With the technology of SIAN Co., Ltd., Wonderful values are to be made.

Thank you for the steadfast love and trust for our company to grow.

In the rapidly changing world, there is no guaranteed future for businesses and companies. Therefore, we need to seek for challenge and innovation by finding new environment.

The future gives opportunity to those that overcome difficulty and give a dare.

Our company will go beyond the functionality according to the requirement of customers and always put effort in developing new products by considering beautiful designs.

Thank you for always sharing love for our company and hope that our clients' businesses and families can be happy.

SIAN CO., LTD., CEO Seong-Jun, Yeom

Company	SIAN Co., Ltd.
Foundation	January, 2002
CEO	Seong-Jun, Yeom
Area	Factory Area 52,000 m²(Construction area 17,600m²)
TEL	Tel : 033)340-1260, Fax : 033)340-1230
Address	3111, Gyeonggang-ro, Ucheon-myeon, Hoengseong-Gun, Gangwon-do
Website	http://www.acewindow.co.kr









Management Philosophy





History

2017 09 | Acquired 4922 Certification

06 | Take over Dongwoo Platech

05 | Take over Supra Sindaewoo

> Changed Corporate name to SIAN Supra Co., Ltd.

03 | Awarded by Governor on Prince Day

2016 11 | Acquired FM4910 Certification

02 | Introduced Product at Korea Build Fair

01 | Combined with ACE WINDOW Brand

2015 11 | Constructed PLATE Factory (Area:17,000m', Construction:2,100m')

09 | Selected as Small and Medium Company Management Innovation Selected as Excellent Institution for Human Resource Development

04 | Introduced Product at MBC Construction Expo

2014 12 | New PLATE civil engineering, construction Gangwon Small medium Company Award

 ${\bf 08} \; \mid \; {\sf Gangwondo \; Rising \; Small \; and \; Medium \; Company \; Certificate}$

06 | Gangwon District Public Procurement Service Award, Awarded by Minister of Trade, Industry, and Energy

04 | Introduced Product at MBC Construction Expo

2013 10 | Changed Company Name: High Industry > SIAN Co., Ltd.

Constructed comprehensive factory (Area:43,000m; Construction:9,900m)

06 | Selected as Rising Small and Medium Company for Export, Award by Gangwon Governor

2012 12 | Selected as small and medium company for Technology and Innovation Special Award by Gangwon Small and Medium Company

 ${\bf 03} \; | \;$ Civil Engineering for SIAN and High Industry, Moved factory, and signed MOU

02 | Started export to Australia and Bangladesh

2011 05 | Export to POSCO Vietnam New City Construction

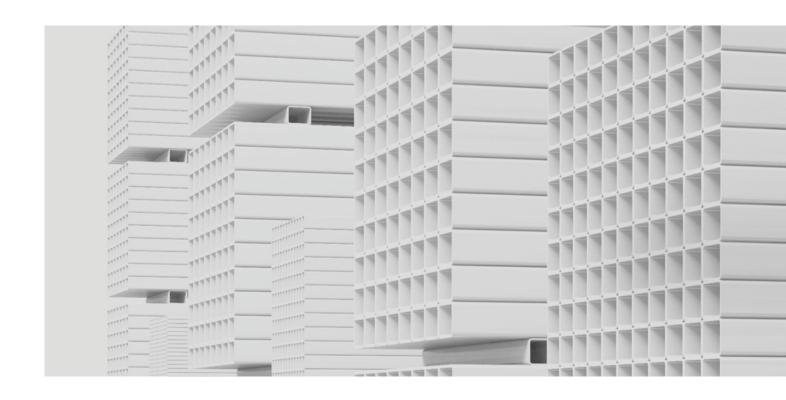
02 | Selected as Overseas Public Network Business by Small Business Promotion Corporation

~2010 2009.05. | Take over Ace Chassis **2008.06.** | SIAN CEO appointed

2008.05. | Changed Corporate Name: Seorak Foundation

> SIAN Co., Ltd.

2002.01. | Established High Industry Co., Ltd.



Characteristics of ACE PVC

Flame Retardant

With flame retardant properties, the PVC is strong against flame and has low risk of fire due to natural fire control



Chemical Resistance

Has excellent chemical resistance to prevent erosion such as acid, alkali, and oi, and absolutely no worries of corrosion



Weatherproof

High applicability due to strong power to endure the natural environment



Permanent

Has excellent durability and chemical resistance to be used permanently.



Machinability

Very strong for heat production, cutting, and access for constructions and repair



Reduced Construction Time

Excellent work efficiency of workers due to light weight compared to existing pipes for waterworks





Using ACE PVC



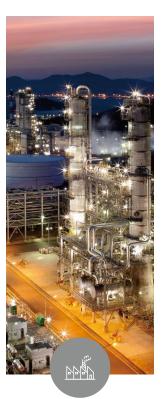
Duct

Spiral Duct, Dust collecting system, and etc.



Construction

Ventilation pipe, construction pillar mold, septic tank gas discharge pipe, ventilation, and etc.



Industrial Use

Industrial line such as plating equipment, chemistry, food, paper-mill



Others

For vessels, construction, interior, and etc.



ACE PVC DUCT PLATE





ACE PVC Plate Size Table

Unit: mm

Door doorst Name o	Size				
Product Name	Width × Length	Thickness	Referred Weight (KG)		
		2	5.68		
		3	8.52		
		4	11.36		
		5	14.20		
	1,000×2,000	6	17.04		
	1,000^2,000	8	22.72		
		10	28.40		
		12	34.08		
		15	42.60		
		20	56.80		
		2	8.18		
		3	12.27		
		4	16.36		
		5	20.45		
	1,200×2,400	6	24.54		
ACE PVC		8	32.72		
Duct Plate		10	40.90		
		12	49.08		
		15	61.34		
		20	81.79		
	1500,2000	3	19.17		
		4	25.56		
		5	31.95		
		6	38.34		
	1,500×3,000	8	51.12		
		10	63.90		
	-	12	76.68		
		15	95.85		
		3	23.00		
	1,800×3,000	4	30.67		
	1,000.00	5	38.34		
		6	46.01		

[•] Color: Gray, Ivory, White



ACE PVC DUCT PIPE





ACE PVC Pipe Size Table

단위 : mm

		Size				
Product Name	Name	Name External Diamete			Inside	Referred
		Basic size	Allowed error	Thickness	Diameter	Weight (kg/m)
	100	114	± 0.2	2.8	108	1.39
	125	140	± 0.3	3.2	134	1.95
	150	165	± 0.3	3.6	158	2.59
	200	216	± 0.4	4.0	208	3.78
	250	267	± 0.9		259	4.69
	300	318	± 1.0	5.0	308	6.98
ACE PVC Pipe	350	355	± 1.2		345	7.80
ACE PVC PIPE	400	400	± 1.4		390	8.81
	450	450	± 1.5		440	9.92
	500	500	± 1.7		488	13.22
	550	560	± 1.9	6.0	548	14.82
	600	600	± 3.2		588	15.89
	650	650	± 3.2		638	17.23
	700	700	± 3.5		688	18.57

[•] Length : 3m↓

[•] Color : Gray



Overview of FM PVC



FM Approvals

'FM Approvals' -'FM Global' Company's Fire-related Test and Research Institution that is in charge of FM approval tests and screening regarding fire prevention and also in charge of post management

FM Approval Standards

Provide approval by going through appropriate screening with more than 200 FM approvals in 4 types of classification: Building Materials, Electrical Equipment, Fire Protection, Specification Tested

FM4910

Cleanroom Materials Flammability Test Protocol FM Certification on the materials regarding fire prevention as test protocol on the flammable materials of the cleanroom (Aseptic Room)

FM4922

FM Certification of Duct System for ventilation of air and other substance ventilation as a smoke duct and/or ventilation duct produced and manufactured by using approved materials as Approval Standard for Fume Exhaust Ducts or Fume and Smoke Exhaust Ducts



Characteristics of FM PVC

Characteristics of FM PVC



Chemical Resistance

Has excellent chemical resistance to prevent erosion such as acid, alkali, and oi, and absolutely no worries of corrosion.



Nontoxic

Strong against flame and has low risk of fire due to natural extinguish



Reduced Manufacturing

Easy to reduce manufacturing time because there is no need for bending, cutting, or welding



Fireproof

Does not burn or catch on flame. Low caloric value where fire can naturally or artificially extinguish



✓ Stronger

Excellent shock strength compared to existing ducts



Reduce Construction Time

Because the molding length can be controlled, unnecessary connection can be removed to reduce construction time

FM PVC is used for infinite industry such as semiconductor and genetic manipulation. Use FM PVC to respond widely in important facilities due to excellent fire prevention and chemical resistance.

Characteristics

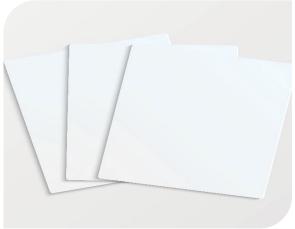
of

FM PVC



FM PVC DUCT PLATE





FM PVC Duct Plate Size Table

Unit: mm

D	Size			
Product Name	Width × Length	Thickness		
		6		
		8		
	1200/2 400	10		
	1,200×2,400	12		
		15		
		20		
		6		
		8		
	1200×2400	10		
	1200×2400	12		
FM PVC		15		
Duct Plate		20		
	1500×2400	6		
		8		
		10		
		12		
		15		
	1800×2400	6		

[•] Color: Ivory



FM PVC DUCT PIPE



FM PVC Duct Pipe Size Table

Unit: mm

		Size			
Product Name	Name	Dian	Thickness		
		Basic size	Allowed error	THICKHESS	
	50A	60	± 0.2	4.1	
	65A	76	± 0.3	4.1	
	75A	89	± 0.3	5.5	
	100A	114	± 0.4	6.0	
	125A	140	± 0.5	6.0	
	150A	165	± 0.5	6.0	
	200A	216	± 0.7	6.0	
FM PVC	250A	267	± 0.9	6.0	
	300A	318	± 1.0	6.0	
Duct Pipe	350A	355	±1.2	6.0	
	400A	400	±1.4	6.0	
	450A	450	±1.5	6.0	
	500A	500	±1.7	6.0	
	550A	560	±1.9	6.0	
	600A	600	±3.2	6.0	
	650A	650	±3.2	6.0	
	700A	700	±3.5	6.0	

[•] Color: Ivory



PVC FITTING



Socket

(Unit : mm)
L±20
170
180
180
180
180
180
180
180
180
180



Reducer1 (Stage 1 Reducer)

	,
Name	L±20
300×250	200
350×300	200
400×350	200
450×400	200
500×450	200
550×500	200
600×550	200
650×600	200
700×650	200





Reducer2 (Stage 2 Reducer)

(Unit:mm)

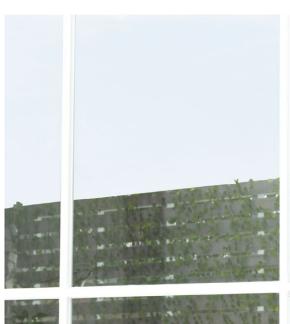
Name	L±20
350×250	220
400×300	220
450×350	220
500×400	220
550×450	220
600×500	220
650×550	220
700×600	220

[•] Expansion reducer that does not need welding



90°Elbow for Fuse

C±20	L±20
65	201
70	211
70	211
70	221
70	231
80	241
80	276
80	276
80	286
80	306
	65 70 70 70 70 70 80 80 80







PVC FITTING



45° Elbow for Fuse

Name	C±20	L±20
250	65	226
300	70	234
350	70	234
400	70	251
450	70	268
500	80	285
550	80	332
600	80	332
650	80	350
700	80	371



22.5° Elbow for Fuse

(Unit:mm)

Name	C±20	L±20
250	65	202
300	70	212
350	70	212
400	70	231
450	70	250
500	80	269
550	80	317
600	80	317
650	80	337
700	80	356

[•] Elbows are all for fuse.





TEE

(Unit:mm)

Name	А	В	С	L±20
250	90	90	65	450
300	100	100	70	518
350	100	100	70	55
400	100	100	70	600
450	100	100	70	650
500	120	120	80	740
550	120	120	80	800
600	120	120	80	840
650	120	120	80	890
700	120	120	80	940



Y Tube (Wye)

Name	А	В	С	L±20
250	130	90	65	558
300	140	100	70	650
350	140	100	70	700
400	140	100	70	770
450	140	100	70	840
500	170	120	80	950
550	170	120	80	1030
600	170	120	80	1090
650	170	120	80	1160
700	170	120	80	1230



PVC FITTING



Cap		(Unit:mm)
	Name	
	250	
	300	
	350	
	400	
	450	
	500	
	550	
	650	
	700	





Hanger

Name
250
300
350
400
450
500
650

700



Equipment and Product Photos



FM Facilities - Material Tank(Material Storage Tank)



FM Facilities - Storage(Assorted Storage Tank)



Facilities, Work Flow FM Pipe

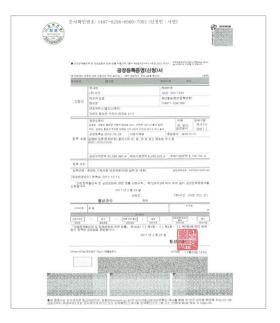


Facilities, Work Flow FM Plate

Certifications

ACE PVC PLATE

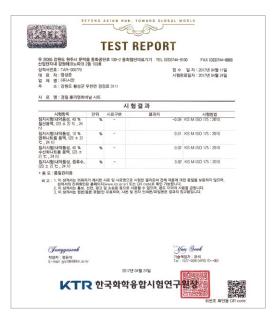




Test Reports

ACE PVC DUCT PLATE





Test Reports

FM PVC PLATE · PIPE (FM4922 / FM4910)





