

Polyurethane In Your Life



PIUSYS
The pioneer of Polyurethane System

Chapter.01
Company Introduction



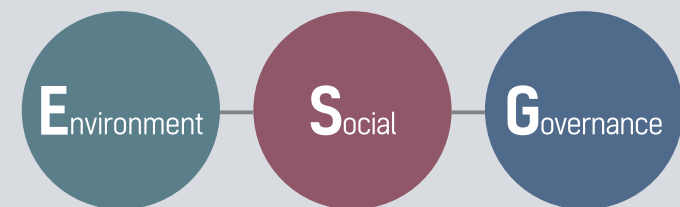
Polyurethane In Your Life



Polyurethane is conveniently used across our daily lives from buildings, roads, vehicles, cooling and freezing devices, and furniture, with its utility further expanding as a key material in the modern industry.

Since our establishment in 1985, Piusys continuously accumulated technological development and know-how to provide polyurethane systems to various industrial sectors.

Like the versatility of polyurethane, we will become a company that fulfills the needs of customers and partners and achieves mutual growth.



Piusys is aiming for sustainable management in the era where environmental problems and companies' social responsibility is seen as important.

Environment

Piusys is continuously improving our production and operation process to reduce our environmental impact. We produce new values by minimizing waste through the reuse and recycling of waste material for a sustainable future.

Social

Piusys continuously strives to positively impact the environment, society, and community and aims to grow by sharing. We create a better world with the thought of social responsibility and sharing.

Governance

Piusys complies to laws and regulations and follows ethical standards. Following the principles of ethical management, we are contributing to the local economy through diligent tax payment, employment, and achieving common values with responsibility towards the country and society.



Korea Headquarters

Our Korea Headquarters with a size of 11,300 m² has an annual production capacity of 17,000 tons.

Address: 150 Donyu 2-ro Munsan-eup, Paju-si, Gyeonggi-do

Office

Office spaces with amenities such as a rooftop garden, cafeteria, and cafe, etc.

All administrative, planning, and strategic tasks from product planning to marketing and sales.

Management & Finance | Legal & Accounting | Business & Marketing | Strategy Planning | Management of Intellectual Property

R&D Center

4 labs with various cutting-edge equipment and 1 foaming room

Consists and develops new products and the product possibility of planned products

Research Planning | Development Design | Technical Data Management | Technical Cooperation | Quality Management

Factory

5 plants that produces various products in production facilities with the highest level of safety and stability such as explosion and hazard prevention

Key area that can directly produce products qualified by the R&D Center

Production Management | Process Management



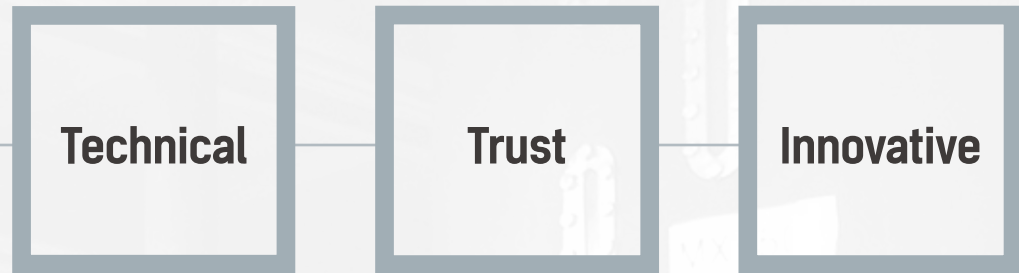
Vietnam Corporation

Our Vietnam corporation develops and produces products that are locally optimized.

Located in Bắc Ninh near Hanoi with an area of 5,000 m², its annual production capacity is 5,000 tons.

Address: Lô V-2.4, đường N1-KCN Quế Võ II, xã Ngọc Xá, thị xã Quế Võ, Tỉnh Bắc Ninh, Việt Nam





Piusys fulfills customer demands based on our technical knowledge and experience in polyurethane.

Piusys fulfills our promises with customers faithfully and responsibly.

Piusys is enhancing competitiveness by continuously improving our product and production process.

Annual Capacity*
22,000 Ton
 (1,830 Ton/month)

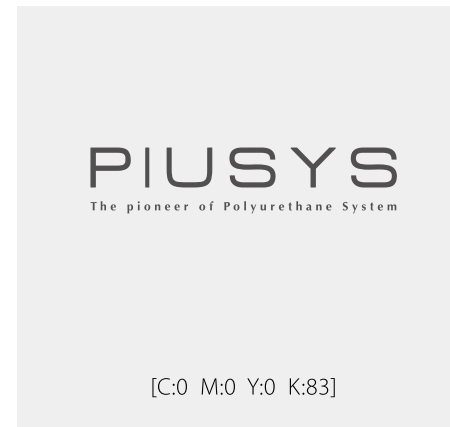
Piusys's R&D Center comprises 4 research teams, including **Rigid Team, Semi-rigid Team, Flexible Team, and PESOL Team**. Based on our expertise, we are developing products that can satisfy the needs of customers in each industrial area.



Research positions account for **20%** among all employees (as of 2023)

* Including both Korea headquarters and Vietnam corporation

01 PIUSYS CI



Piusys continuously strives to create an abundant and convenient life for humanity as a company specializing in polyurethane.

Piusys's corporate identity is designed interpreting polyurethane into visual language. The gothic font represents the perseverance of polyurethane technology that led the development of humanity, and the monotonous dark gray font color symbolizes polyurethane that supports the growth of humanity from behind.

02 Our Brands



Semi-non-flammable System

Xcore® PU Foam has been certified as safe from the risk of fire by obtaining semi-nonflammable grading following the revision of the Building Insulation Act.



Green Binder System

Green Binder System® is an eco-friendly biomass-based polyurethane binder that can be used as various materials for construction.



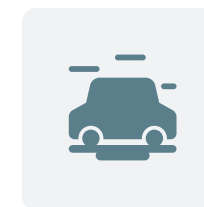
Vietnam Polyol System

VietPOL® is a locally optimized polyol product by our Vietnam corporation.

03 Business Areas



Construction Systems



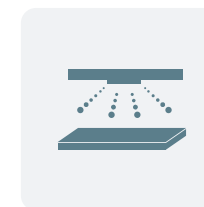
Automotive Systems



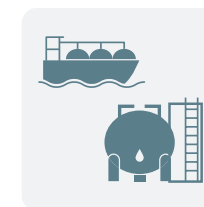
Showcase & Refrigerator Systems



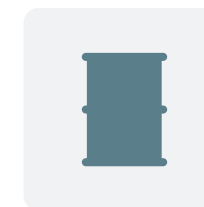
Furniture Systems



C.A.S.E Systems



Other Systems



Isocyanates



Surfactants & Catalysts



Chapter.02

Product Descriptions



Construction Systems

Category	Usage & Characteristics	Product Name	Free Rise Density (kg/m³)	FOAM TYPE				Blowing Agent				
				Rigid	Semi-rigid	Flexible	NON FOAM	H2O	141B	C-pentane	HFO	HFC
Panel	PUR Discontinuous Panel	PRP-1000	25.5-35.5	●					●	●		
		PRP-1100	25.5	●						●		
		PRP-1560	35	●						●		
	PUR Discontinuous Panel	PRP-1500	30-46	●					●			
	PIR Continuous Panel	PRP-1600	15	●						●		
Board	PUR Board	PRB-2000	24.5	●					●			
	PIR Board	PRB-2500	30-41	●					●			
Spray	PUR System	PRS-3000	22-32	●					●			
	Wooden Structure Insulation	PRS-3110	8.5	●				●				
	Construction	PRS-3120	26	●								●
Molding	Structural Material, PIPE Cover	PRM-4000	38-350	●				●	●			
	Rigid Block Foam	PRM-4100	172-230	●					●			
	Aluminum profile Insulation	PRM-4300	1000	●					●			
	PIR Structural Material	PRM-4500	40-300	●				●	●	●		
Binder	EPS Panel panel adhesive	PRA-1100	-	●				●				
	G/WOOL Panel adhesive	PRA-1200	-	●				●				
	Clean Room Panel adhesive	PRA-1300	-	●				●				
	Door Insulation	PRA-1400	-	●				●				
Etc.	Inquire for products not listed above.											

Semi-non-flammable System



Category	Usage & Characteristics	Product Name	Free Rise Density (kg/m³)	FOAM TYPE				Blowing Agent				
				Rigid	Semi-rigid	Flexible	NON FOAM	H2O	141B	C-pentane	HFO	HFC
Board	PIR Board	PRB-2560	35	●						●		
	Spray Insulation	PRB-2545	36	●					●			
Spray	Inquire for products not listed above.	PRS-3300	35	●					●			
Etc.	Inquire for products not listed above.											



Automotive Systems

Category	Usage & Characteristics	Product Name	Free Rise Density (kg/m³)	FOAM TYPE				Blowing Agent					
				Rigid	Semi-rigid	Flexible	NON FOAM	H2O	141B	C-pentane	HFO	HFC	
Engine Hood/outer	Engine Hood/outer	PAE-1200	12.5		●				●				
		PAE-1500	15		●				●				
		PAE-1600	16.5		●				●				
		PAE-1800	18.5		●				●				
Headliner	Headliner	PAH-2200	22		●				●				
		PAH-2400	24		●				●				
		PAH-2600	26		●				●				
HL Glue	Headliner Glue	PAG-4000	-						●				
Fuel Pad	Fuel Tank Pad	PAF-5000	180			●			●				
Engineering Plastics	Engineering Plastics	PAP-6000	1100						●				
Air Filter	Flexible /Foam	PAA-7150	10-20A			●			●				
		PAA-7232	20-30A			●			●				
		PAA-7234	15-25A			●			●				
		PAA-7450	40-45A			●			●				
		PAA-7500	30-35A			●			●				
	Rigid/Non-Foam	PAA-7600	60-65D						●				
	Flexible /Non-Foam	PAA-7900	60-65A							●			
		PAA-7980	75-80A							●			
	Flexible /Fire Retardant/Foam	PAA-8000	20-30A			●			●				
	Dash Iso Pad	Sound Absorbing Pad	PAS-9000	70			●			●			
Etc.	Inquire for products not listed above.												



Showcase & Refrigerator Systems

Category	Usage & Characteristics	Product Name	Free Rise Density (kg/m³)	FOAM TYPE				Blowing Agent					
				Rigid	Semi-rigid	Flexible	NON FOAM	H2O	141B	C-pentane	HFO	HFC	
Showcase	Showcase	PRC-5000	22~30.5	●					●				
		PRC-5100	23.5~24.5	●						●			
Refrigerator	Low-temperature Refrigerator	PRU-6000	28~34	●					●	●			
		PRU-6100	26	●						●			
Etc.	Inquire for products not listed above.												

Furniture Systems

Category	Usage & Characteristics	Product Name	Free Rise Density (kg/m³)	FOAM TYPE				Blowing Agent					
				Rigid	Semi-rigid	Flexible	NON FOAM	H2O	141B	C-pentane	HFO	HFC	
General Flexible Foam	Cushion Soft Foam	PFG-7000	40~65			●		●					
	Guardrail Filling	PFG-7100	50~90			●		●					
	Interlayer Noise Mat	PFG-7200	80~90			●		●					
	Dust-Proof Mat	PFG-7300	220~400		●			●					
	Building Filling (Fire Resistant)	PFG-7500	120			●		●					
Integral Skin Foam	Abrasive	PFG-7600	200~210			●		●					
	Pillow Foam	PFI-8000	70			●		●	●				
	Armrest Foam	PFI-8100	130		●	●		●	●				
	Cushion ISF Foam	PFI-8200	80		●	●		●	●				
		Furniture Edge ISF	85		●	●		●	●				
Furniture Edge ISF	PFI-8400	150		●	●		●	●					
Furniture Edge ISF	PFI-8600	270~290			●			●					
Etc.	Inquire for products not listed above.												



C.A.S.E Systems



Category	Usage & Characteristics	Product Name	FOAM TYPE				Blowing Agent					
			Rigid	Semi-rigid	Flexible	NON FOAM	H2O	141B	C-pentane	HFO	HFC	
Coating	White Paint for Lanes	PNC-9000	●			●		●				
Adhesive	Binder for Cork Paving	PNA-9100				●						
	Primer for Cork Paving	PNA-9200				●						
	Binder for non-yellowing Landscape Paving	PNA-3500				●						
Elastomer	Energy Harvest Road Paving Material	PNE-9500				●						
	Climbing Holder	PNE-4800				●						
	Interior Paving Material (Non-yellowing)	PNE-9700				●						
Etc.	Inquire for products not listed above.											

Other Systems

Category	Usage & Characteristics	Product Name	Free Rise Density (kg/m³)	FOAM TYPE				Blowing Agent				
				Rigid	Semi-rigid	Flexible	NON FOAM	H2O	141B	C-pentane	HFO	HFC
LNG	LNG Tank Insulation	PRL-7000	39	●			●		●			
	LNG Ship Insulation	PRL-7010	29	●			●		●			
	Spray Injection Insulation	PRL-7050	40	●			●		●			
	Spray Primer	PRL-7060	Non-foam	●								
	Fire Retardant Urea Spray	PRL-7070	Non-foam	●								
Injection Filling	Injection	PRG-9000	22.5~35	●			●	●	●	●		
	Injection	PRG-9010	33	●			●		●			
	Response Delay	PRG-9020	29.5	●			●		●			
Etc.	Inquire for products not listed above.											



ISOCYANATE * Products may differ according to country/region..



Category	Product	NCO Content (%)	Viscosity (Cps)	Measured Temperature (°C)
Monomeric MDI	Lupranate MS	33.5	5	43
	Lupranate MI	33.5	12	25
Modified MDI & Prepolymer	Lupranate MM103C	29.5	35	25
	Lupranate MP102	22.9	650	25
	WANNATE@CDMDI-100L	28~30	25~60	25
Polymeric MDI	Lupranate M5S	32.2	50	25
	Lupranate M11S	31.5	110	25
	Lupranate M20S	31.2	200	25
	Lupranate M20R	31.2	200	25
	Lupranate M50	31	500	25
	WANNATE@ B8214	32.1	50	25
	WANNATE@ PM200	30.2~32	150~250	25
	WANNATE@ PM400	29~32	350~500	25
	Lupranate T80	48.3	<5	20
Isocyanates TDI	Lupranate T80	48.3	<5	20
Etc.	Inquire for products not listed above.			

Surfactants & Catalysts



TEGOSTAB®	Product Name	Viscosity	Density	Characteristics / Application
		(mPas,25°C)	(g/cm ³ ,25°C)	
Flexible foam - Slabstock foam - Moulded foam	B-8002	500±150	1.03±0.01	Low Potency & High Density/SLAB
	B-8123	1000±200	1.01±0.02	High Potency & Low Density/SLAB
	B-8228	650±150	1.03±0.01	High Potency & Large range Density/SLAB
	B-8232	600±100	1.03±0.01	Medium Potency & Medium Density, Fire Resist /SLAB
	BF-2370	950±150	1.03±0.01	Low Potency & Medium Density/SLAB, Molded
	B-4900	1300±200	1.04±0.01	Low Potency & Long range Density/Molded
HR Foam	B-8681	13±3.5	0.95±0.01	Low Potency & Wide Processing Latitude/MDI base
	B-8773LF2	15±3.5	0.95±0.01	Medium Potency & Wide Processing Latitude/MDI base
	B-8707LF2	150±50	0.99±0.01	Medium Potency & Wide Processing Latitude/MDI base
Memory Foam	B-82001ve	950±50	1.05±0.01	Fine and tight cell/MDI base
Rigid Foam	B-8404	450±120	1.05±0.01	Good flow, Density distribution/All applications.
	B-8409	850±200	1.05±0.01	Fine cell, Good nucleation/Discontinuous panel, Refrigerators
	B-8462	1000±200	1.05±0.01	Common Surfactant/Flow System, Pipe insulation.
	Tin Catalyst -KOSMOS®	KOSMOS®19	50	1.05±0.01
KOSMOS®T900		<2,000	1.14±0.01	Alternative T9, 2-EHA Free
Etc.	Inquire for products not listed above.			

Vietnam System * Sold in both Vietnam and Korea.



Category	Usage & Characteristics	Product Name	Free Rise Density (kg/m ³)	FOAM TYPE				Blowing Agent					
				Rigid	Semi-rigid	Flexi-ble	NON FOAM	H2O	141B	C-pentane	HFO	HFC	
Panel	PUR Intermittent Panel	PRP-1027B	25/28	●							●		
		PRP-1200B	24/28	●							●		
	PUR Insulation Door	PRP-1036B	34.5	●							●		
	PIR Discontinuous Panel	PRP-1400B	28	●							●		
	PUR Continuous Panel	PRP-1560B	35	●							●		
		PRP-1570B	40	●							●		
	Roof Panel	PRP-1612B	12		●				●				
		PRP-1616B	15		●				●				
PRP-1620B		20	●							●			
Board	PIR Semi-non-flammable Board	PRB-2560B	35	●							●		
Spray	B2 Spray	PRS-3118B	18.5	●				●					
		PRS-3125B	26	●				●					
		PRS-3126B	26	●								●	
	PUR Construction	PRS-3110B	8.5			●		●					
Molding	PIR Structural Block Foam	PRM-4504B	36	●							●		
	PUR Structural Block Foam	PRM-4250B	36/40	●							●		
	Artificial wood/ Pipe cover	PRM-4024B	130	●					●				
		PRM-4030B	320	●					●				
		PRM-4505B	60	●					●				
		PRM-4513B	105	●					●				
	PRM-4517B	130	●					●					
	PRM-4585B	85	●					●					
Panel Adhesive	General Panel Adhesive	SA-120	-	●				●					
		SA-120(E)	-	●				●					
		SA-120(G)	-	●					●				
		SA-120(F)	-	●					●				
		SA-120(S)	-	●					●				
	SA-120(L)	-	●					●					
Showcase & Refrigerator	Refrigerator/Freezer Insulation	PRC-5100B	23.5	●							●		
		PRC-5120B	24.4	●							●		
		PRC-5160B	24.5	●							●		
	low Temperature Freezer Insulation	PRU-6100B	26	●							●		
Etc.	Door frame	PRG-9001B	22	●							●		
	Foat	PRG-9002B	11		●			●					
			22	●					●				
	PU foam side	PRG-9003B	36	●				●					
Auto	Headliner	PAH-2600B	26		●			●					



**Product
Inquiries**

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Vietnam Corporation

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