



SOO KYUNG CHEMICAL CO.,LTD.

Company introduction & Product line
1st Aug 2021

CONTENTS

01 HISTORY

02 CERTIFICATES & LICENSES

03 PRODUCT LINES

04 CONTACT US

HISTORY

2007	Established Soo Kyung Chemical Co., Ltd.
2008	Completed supply system for PU raw materials (MDI, Polyols, Foaming agent, Additives)
2009	Started polyurethane spray business for high efficiency energy housing
2010	Increased capital and established Soo Kyung Engineering
2013	Acquired HCFC-141b quota
2014	Application of HFC 365/227 to LPG ship and ABS certification
2017	Established PU system house and R&D center, Started refrigerant business
2018	Started commercial production of rigid PU system
2019	Developed Capablow® series (Blown with HFC), Awarded \$7 million Tower of export Development of electrolytic performance and safety standard evaluation device
2020	Selected as a “Global Small Giant Company” by Korean government Obtained certifications Of Eco-Label and ASTM E-84 Class
2021	Chosen as an exemplary taxpayer in Chungnam, Korea

CERTIFICATES & LICENSES

Issued Date	Certification
2020.01.13	Certified to ISO 9001
2020.01.13	Certified to ISO 14001
2020.01.13	Certified to OHSAS 18001
2020.02.03	Certified to DIN 4102 B2
2020.02.14	Certified to ASTM E-84 Class-A
2020.05.29	Selected as Small Giant Company by Ministry of SMEs and Startups of the Korean Government



ISO 9001



ISO 14001



OHSAS 18001



DIN 4102 B2



ASTM E84 Class-A



Small Giant Company of Korea

PRODUCT LINE (Polyether polyol)

Application	Base/Func.	SKC	MW	vis(25°C)	OH-v
CASE	DPG/2.0	CAPAOL-D200	200	50~100	265~295
		CAPAOL-D400	400	50-90	265~295
		CAPAOL-D750	750	90-130	145~155
		CAPAOL-D1000	1000	125-170	108~116
		CAPAOL-D2000	2000	270-370	54-58
		CAPAOL-D3000	3000	540-640	33-37
		CAPAOL-D4000	4000	700~900	26~30
		CAPAOL-D4020	4000	700~900	26~30
CASE Flexible foam	Glycerine/3.0	CAPAOL-T1000	1000	200~300	158~178
		CAPAOL-T3000	3000	450-550	54~58
		CAPAOL-T4000	4000	600-700	40~45
		CAPAOL-T5000	5000	800-900	31~35
Slab		CAPAOL-T3000E	3000	400-500	54~58
		CAPAOL-T3500E	3500	500~660	45~50
Flexible foam		CAPAOL-T3001E	3000	480-540	52~55
		CAPAOL-T4800E	4800	850~980	31~35
		CAPAOL-T6000E	6000	1000~1300	26~30
Viscosity modifier		CAPAOL-T400	421	300-400	385~415
		CAPAOL-T700	700	240-300	385~415
		CAPAOL-T600E	600	200-300	270~290



PRODUCT LINE (Polyether polyol)

Application	Base/Func.	SKC	MW	vis(25℃)	OH-v
Rigid foam	Suc+Gly/5.2	CAPAOL-SG380	768	5000-8000	365~395
	Suc+Gly/4.7	CAPAOL-SG455	586	3500-6500	430~470
	Suc+Gly/5.2	CAPAOL-SG450	648	11000-17000	430~470
	Suc+Gly/4.0	CAPAOL-SG510	440	3600-4800	485~525
	Suc+Gly/4.5	CAPAOL-SG400	631	5100-5900	380~420
	Sorbitol/6.0	CAPAOL-SB480	701	25000-41000	460~500
	Sorbitol/4.7	CAPAOL-SB481	549	15000-21000	460~500
	EDA/4.0	CAPAOL-EA750	299	25000-55000	730~770
		CAPAOL-EA500	449	6000~8000	480~520
	TDA/4.0	CAPAOL-TA405	561	12000-22000	380~420
	TDA/4.0	CAPAOL-TA400	561	7000-11000	380~420
TEOA/3.0	CAPAOL-TO360	467	250-350	350~390	
Synthetic wood	Penta-E/4.0	CAPAOL-PE400	561	1500-2100	380~420
	Penta-E/3.6	CAPAOL-PE560	361	1900-2800	540~560
	TMP/3.0	CAPAOL-TM400	421	1600-2000	385~415



Polyol, along with MDI, is a key raw material for polyurethane production and is used in various applications such as CASE, Slab foam, Flexible foam, Viscosity modifier, Rigid foam and Synthetic wood

PRODUCT LINE (Capablowlow Semi-System)

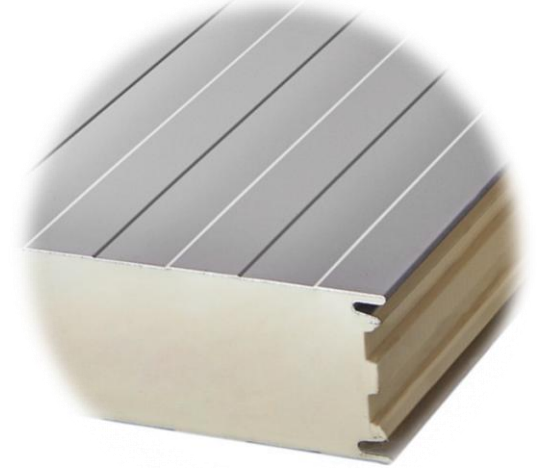
Application	Product	Remark
Appliance	CAPAOL 11	TDA base polyol + CAPABLOW55
Spray	CAPAOL 12	EDA base polyol + CAPABLOW55
Discontinuous panel Injection	CAPAOL 33	Suc / Gly base polyol + CAPABLOW73

CAPAOL series are semi-systems in which amine polyol for appliance and 3rd generation blowing agent CAPABLOW (HFC 365mfc+HFC 245fa) are mixed. It has an ODP Zero and can be used as a replacement for HCFC-141b.



PRODUCT LINE (Construction)

Application	Product	FRD	Blowing Agent
Discontinuous Panel	CAPANEL 1798	26.5~29.5	HCFC-141b
	CAPANEL 1791	26~28	
	CAPANEL 1794	26.5~28.5	
	CAPANEL 1795	26~30	
	CAPANEL 1796	32~36	
	CAPANEL 1701	29~31	
	CAPANEL 6791	26~30	CAPABLOW 55 (HFC, Zero ODP)
	CAPANEL 6792	32~36	
	CAPANEL 6793	23~25	



Our rigid PU system lines for construction application have excellent physical properties and durability. We specifically manufactured Polyisocyanurate (PIR) rigid foams to improve flame retardancy, thermal stability and efficiency while maintaining excellent physical properties

PRODUCT LINE (Construction)

Application	Product	FRD	Blowing Agent	Remark
SPRAY	CAPARAY 10W	13~16	Water	
	CAPARAY 22	21~23	HCFC-141b	
	CAPARAY 24	23~25		
	CAPARAY 24(S)	23~25		
	CAPARAY 24(W)	23~25		
	CAPARAY 26	25~27		
	CAPARAY 26(S)	25~27		
	CAPARAY 1228	27~29		
	CAPARAY 1330	25~35		
	CAPARAY 1335	30~40		
	CAPARAY 1340	35~45		
	CAPARAY 1345	40~50		
	CAPARAY 3228	26~28	HFC365/227	ASTM E84
	CAPARAY 3230	31~33		
	CAPARAY 6124	23~25	CAPABLOW 55	HFC, Zero ODP
	CAPARAY 6230	31~33	CAPABLOW 55	
CAPARAY 6231	31~33	CAPABLOW 73		
CAPAGREEN 3000	25~27	CAPABLOW 55	ECO Label in Korea	

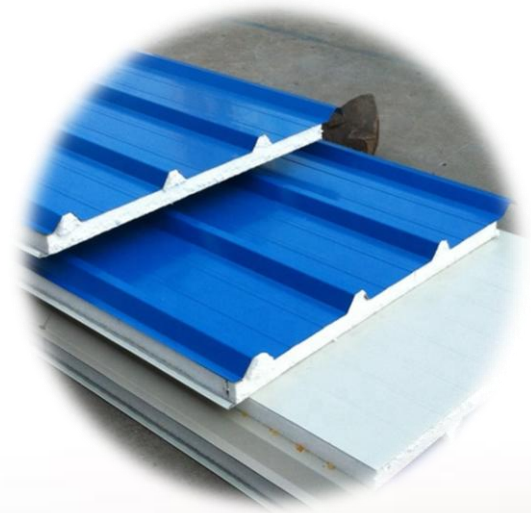


Polyurethane spray foam has excellent thermal conductivity, dimensional stability, surface adhesion and excellent heat insulation. Further, since the foam is uniform and continuous, it has good mechanical properties, flexibility and gaps can be formed by appropriate reactivity, and the workability is excellent. It can be applied to interior, external insulation and low temperature warehouse of factories, general buildings, houses, gymnasiums, etc

PRODUCT LINE (Construction)

Application	Product	Gel Time	Blowing Agent
Adhesive	CAPASIV 5691	7~24 Sec	Water
	CAPASIV 5692		
	CAPASIV 5693		
	CAPASIV 5694		

Our adhesive materials show good adhesion and can be applied to EPS, Glass wool, etc. In addition, various products are prepared according to various conditions and production speed. It can be used for bonding between steel and glass wool or EPS in the construction panel.



PRODUCT LINE (Appliance)

Application	Product	FRD	Blowing Agent
Showcase	CAPASHO 1794	23~25	HCFC-141b
	CAPASHO 1891	25~27	
	CAPASHO 1892	23.5~25.5	
	CAPASHO 1893	26.5~27.5	
	CAPASHO 1894	21~25	
	CAPASHO 1896	41~43	
	CAPASHO 2891	22~24	c-Pentane
	CAPASHO 3891	26.5~28.5	HFC-365/227

Rigid polyurethane insulation foam contributes greatly to sustainability and eco-friendly design by reducing the energy required to keep refrigerators and freezers cool. The insulation efficiency of polyurethane foams is a key attribute for processing, storage and cold storage of food during distribution to consumers



PRODUCT LINE (Injection)

Application	Product	FRD	Blowing Agent
Injection	CAPAINJ1801	35~40	HCFC-141b
	CAPAINJ1802	40~45	
	CAPAINJ1891	30~35	
	CAPAINJ1892	35~40	
	CAPAINJ1893	40~45	
	CAPAINJ3891	26~30	HFC-365/227
	CAPAINJ6891	38~42	CAPABLOW 73 (HFC, Zero ODP)

Our injection foam has excellent physical properties and durability. Used for insulation of water tank and boiler tank. UBR (Unit Bath Room) can also be supplied as HCFC-141b and eco-friendly water foam.



PRODUCT LINE (LNG&LPG)

Application	Product	FRD	Blowing Agent	Remark
LNG, LPG	CAPALNP 1896	30~40	HCFC-141b	Pipe cover
	CAPALNP 3896	30~36	HFC-365/227	Pipe cover
	CAPALNP 5891	100~130	All Water	LNG Pipe support
	CAPALNP 5892	150~170		
	CAPALNP 5893	205~215		
	CAPALNP 5894	210~240		
	CAPALNP 6901	45~55	CAPABLOW 55	Pipe cover
	CAPAKOTE AP2/BP2			Urea coating
CAPAREA 9002			Polyurea	

Soo Kyung Chemical offers cryogenic insulation products such as cryogenic piping covers, LPG cargo sprays and LNG carrier blocks, as well as protective coatings and flame retardant Polyurea products for foam protection.



PRODUCT LINE (Automotive)

Application	Product	FRD	Blowing Agent	Remark
Automotive	CAPAUTO 5891	40~50	Water	Seat/Cushion
	CAPAUTO 5892	50~70		Head Rest

Polyurethane foam provides vehicle designers and manufacturers with the means to produce products that can be easily assembled, disassembled and recycled. Polyurethane foam is applied to many areas of automobiles such as seat cushion and head rest



PRODUCT LINE (Furniture&ISF)

Application	Product	FRD	Remark
Furniture	CAPAFUN 1891	70~80	Interlayer anti-noise mat
	CAPAFUN 1892	60~80	Memory foam
Integral skin foam	CAPAISF-40	60~80	Chair for infant
	CAPAISF-48	130~160	General Purpose ISF
	CAPAISF-50	200~300	Edges for office furniture
	CAPAISF-1000	80~120	Arm rests

CAPAFUN is an interlayer noise prevention mat for use in apartments, hospitals, kindergartens, day care centers and playrooms. It is an eco-friendly product with excellent durability, waterproof function, decontamination, elasticity, and noise prevention between layers. CAPAISF is PU system for integral skin foams and it has good flowability, good resilience and excellent mechanical strength



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Thank you

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