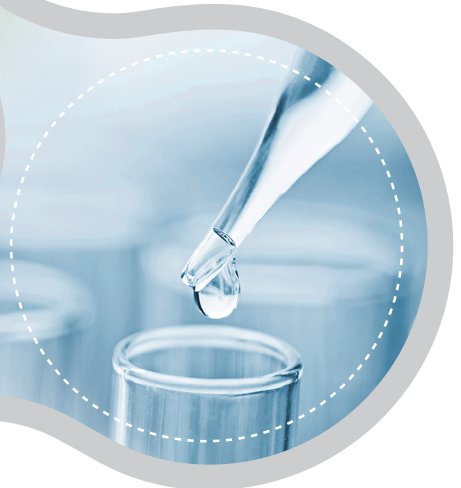


Alymers

Creates New Materials For Our Better Life



ECO - FRIENDLY



INOPOL CO., LTD.

WILL GROW WITH OUR CUSTOMERS

We contribute to customer satisfaction and advancements in the industry by providing safe and environmentally friendly products that create sustainable values. By focusing on building long-term partnerships with our customers, we aim to provide them with proactive product development, technical and sales services, and consistent supply. We believe all of which benefit our customers in their respective markets.

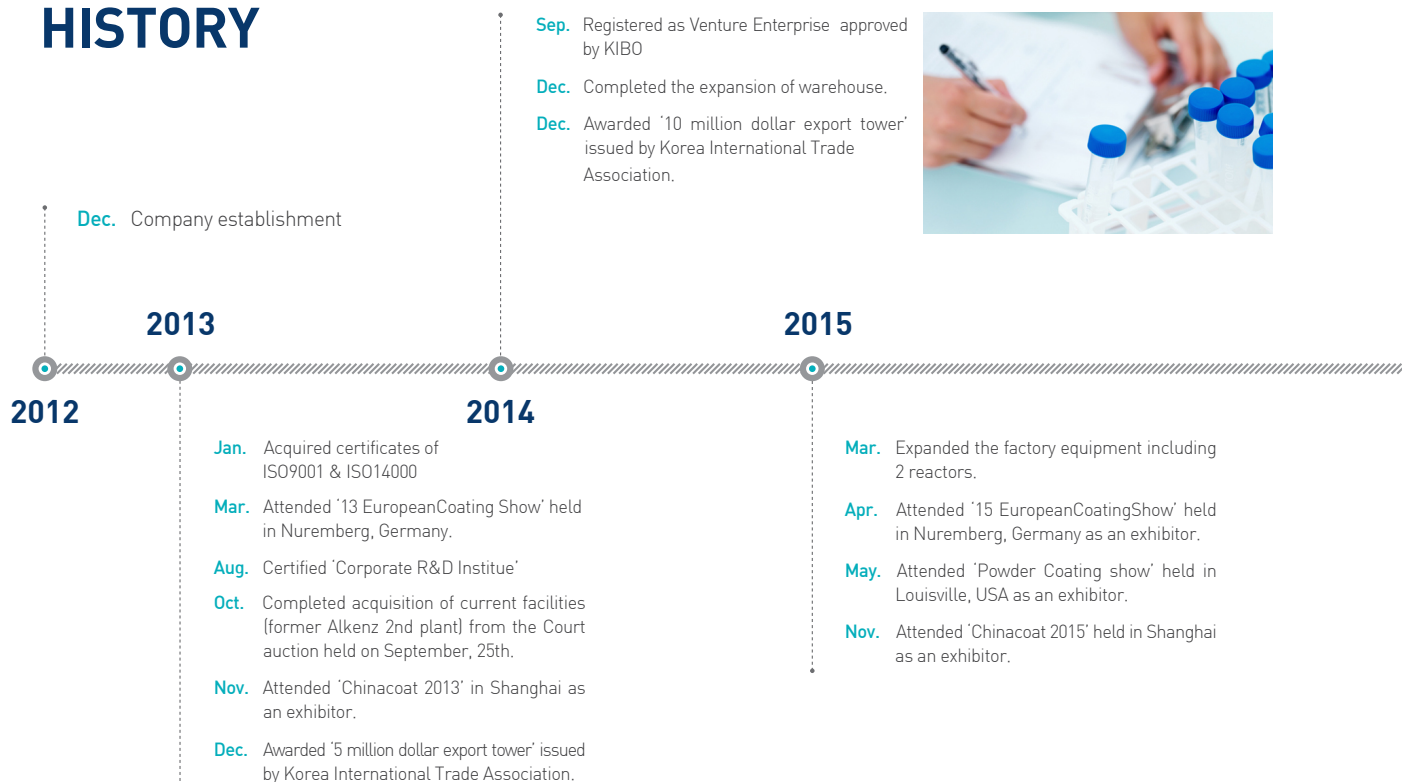
There are two major principles in our philosophy.

First, we listen carefully to our customers' product requirements.

Second, we develop customer-customized process to meet their product requirements.

In order to achieve the highest level of customer satisfaction through innovative products and services, all of our employees devote to overcome difficult challenges such as developing advanced technologies and maximizing customer satisfaction.

HISTORY



Today, environmental issues are considered as significant interest and importance. Therefore, many countries all over the world are strengthening regulations on the usage of VOC (Volatile Organic Compounds). The traditional liquid paints contain a lot of solvents, which leak to air, land and water and it may lead to any form of pollution and ozone depletion.

Traditional paints require more than one coating to perform a good surface finish, but in the meantime, powder coating can accomplish even a better result in one cost-effective application. Alymers is pale granule chips (made from polymerization of diacid and diol) and 100% solid PE resin with 95% of usage efficiency or higher. It is not an energy-efficient material with any vaporization, but also a good alternative to solvents as it resolves concerns over air pollution, fire hazard, odor and toxicity.

Powder coatings that use Alymers as raw materials are easy to get thick coating films and outstanding coating performance with just one application because the coating process is shortened and productivity is improved. Alymers also allow left-over paints to be reused which make it eco-friendly product.



- Mar.** Obtained "INNO-BIZ" certification
- Apr.** Attended 'American Coating Show' held in Indianapolis, USA as an exhibitor.
- Sep.** Registered a Patent No.10-1662151 (for Super-low curing polyester resin)
- Oct.** Registered a Patent No.10-1672886 (for Nontoxic, Super-durable, Low-curing polyester resin)
- Nov.** Attended 'Chinacoat 2016' held in Guangzhou as an exhibitor.

2017

- jul.** New warehouse open.
- Nov.** Renewed certificates of ISO9001 & ISO14001
- Dec.** Attended 'Chinacoat 2018' held in Guangzhou as an exhibitor
- Dec.** US\$ 30million Export certification Award



2018

- Aug.** US\$ 20Million Export certification Award
- Nov.** New R&D Center building open

2019

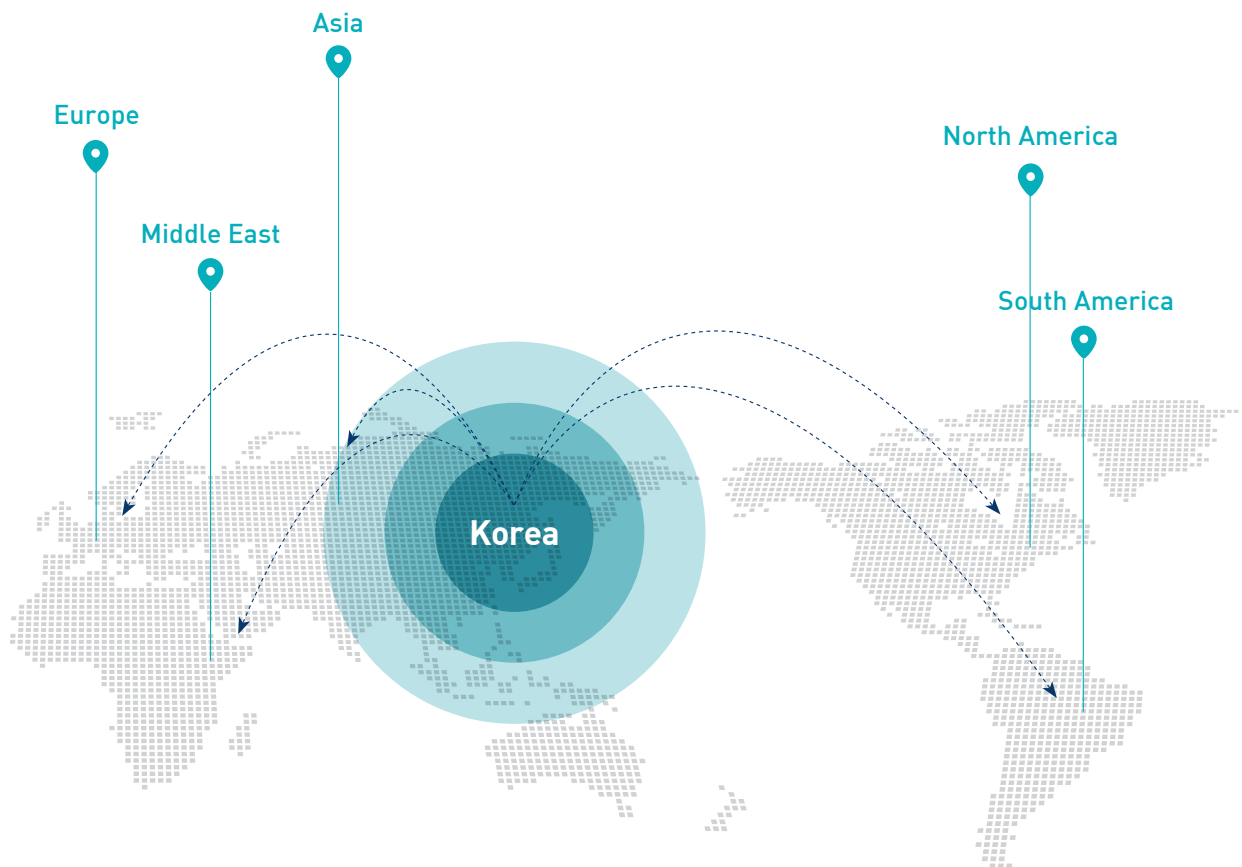
- Mar.** Attended '19European Coating Show' held in Nürnberg, Germany as an exhibitor.

2016



GLOBAL SUPPORTS

We are making efforts to provide our customers with Alymers, which is manufactured under our thorough quality control system, via our worldwide agent/distributor network.



» Certificates



1. Quality Management System Certificate
2. Environmental Management System Certificate
3. 10-1672886 Certificate of Patent
4. 10-1662151 Certificate of Patent

» Resin Categories

Hybrid	Carboxyl terminated polyester resin designed for use with epoxy resin
HAA	Carboxyl terminated polyester resin designed for use with hydroxy alkyl amide
TGIC	Carboxyl terminated polyester resin designed for use with Triglycidyl isocyanurate
PT 910	Carboxyl terminated polyester resin designed for use with Triglycidyl trimellitate
Urethane	Hydroxyl terminated polyester resin designed for use with externally blocked Isocyanates and uretdiones
Matting Agent	Epoxide containing acrylic hardener design for use with carboxylated polyester resin
Clear coat	Epoxide containing acrylic resin design for use with Dodecanedioic Acid
Master Batch	A mixture containing a high concentration of a specific additive dispersed in a polyester matrix

» Standard Packaging

- 25 kg polyethylene bag
- 750 kg big-bag package
- 1000 kg big-bag package

» Storage

This product has a minimum shelf life of 18months when stored in a dry and cool place. Keep away from heat sources and direct sunlight. Do not stack more than two pallets.

» Handling & Safety Precautions

Dust may be irritating. Prevent dusty conditions. Pouring of dry powder may create static electricity and source of ignition. Be advised to install ground equipment to prevent electrical sparks. Dust may be explosive when mixed with air. Don't use near sparks or open flame. Use only with adequate ventilation.

» First Aid

- **Eyes contact** Promptly flush eyes with plenty of water. If irritation persists, get medical attention.
- **Skin contact** Wash skin with mild soap and water.
- **Inhalation** Remove victim to fresh air. If irritation or discomfort persists, seek medical attention.
- **Ingestion** Wash out mouth with water. Remove dentures if any. Get medical attention if adverse health effects persist or are severe.

HYBRID SYSTEM

- Carboxyl terminated polyester resin designed for use with Epoxy resin for indoor applications such as home appliances, office supplies, light furnitures etc.
- Good mechanical properties and appearances.



Cure(°C)	50 : 50	55 : 45 or 60 : 40
220	-	HC 6002
200	HC 5001 / HC 5023	HC 6001 / HC 6023
180	HC 5801 / HC 5802 / HC 5803 HC 5811 / HC 5823	HC 6805 / HC 6812 HC 6819 / HC 6823
170	HC 5601 / HC 5602	-
160	HC 5604	HC 6602
150	HC 5501	HC 6611 / HC6623
140	HC 5401	-
130	HC 5301	-

Item code (Alymers)	PE / EPOXY	Acid Value	Viscosity (cP,@200°C)	Tg (°C)	Cure (°C)	Properties
HC 5301	50/50	65-75	3,500 ± 500	54	130	Very fast cure, Good chemical resistance
HC 5401	50/50	68-78	3,500 ± 500	54	140	Very fast cure, Good chemical resistance
HC 5501	50/50	65-75	5,500 ± 1,000	60	150	Very fast cure, Good chemical resistance
HC 5601	50/50	65-75	8,500 ± 2,000 [@175°C]	57	170	Good flow, High gloss. Chemical resistance.
HC 5602	50/50	68-74	7,500 ± 2,000 [@175°C]	58	160	Good chemical resistance. High wetting property with filler and pigments.
HC 5604	50/50	65-75	2,500 ± 500	55	160	High gloss. Good chemical resistance.
HC 5801	50/50	65-75	8,500 ± 2,000 [@175°C]	58	180	Good flow, heat resistance.
HC 5802	50/50	55-65	10,000 ± 2,000 [@175°C]	60	180	Very good flow Good storage stability
HC 5803	50/50	62-72	8,500 ± 2,000 [@175°C]	61	180	Good flow, high gloss
HC 5811	50/50	65-75	8,500 ± 2,000 [@175°C]	60	180	Good flow, heat resistance.
HC 5823	50/50	55-65	3,000 ± 1,000	60	180	Very good flow, Good heat resistance
HC 5001	50/50	60-70	2,800 ± 500	55	210	Excellent flow.
HC 5023	50/50	55-65	3,000 ± 1,000	60	200	Excellent flow, heat resistance
HC 6812	55/45	55-65	2,500 ± 500	60	180	Excellent flow, High gloss
HC 6602	60/40	45-55	3,500 ± 500	58	160	Good flexibility, Good flow.
HC 6611	60/40	47-53	3,000 ± 500	55	150	Good flexibility, very good flow.
HC 6623	60/40	45-55	3,000 ± 500	56	160	Fast cure, good flow, good physical properties.
HC 6805	60/40	47-53	4,000 ± 1,000	57	180	Very good flow. High gloss. Over baking resistance
HC 6819	60/40	44-50	4,000 ± 700	60	180	Good flow, High gloss. TMA free.
HC 6823	60/40	47-53	4,000 ± 700	57	180	Very Good flow, High gloss. General properties.
HC 6001	60/40	47-53	3,800 ± 1,000	57	200	Good flow, high gloss
HC 6002	60/40	50-60	2,500 ± 500	52	220	Excellent flow, high gloss Non-Catalyst.
HC 6023	60/40	45-55	4,000 ± 700	57	200	Good flow, High gloss. General properties.

HYBRID SYSTEM

- Carboxyl terminated polyester resin designed for use with Epoxy resin for indoor applications such as home appliances, office supplies, light furnitures etc.
- Good mechanical properties and appearances.



Cure(°C)	70 : 30	75 : 25	80 : 20
220	-	-	-
200	HC 7002 / HC 7006 HC 7010 / HC 7023	HC 7007	HC 8020
180	HC 7801 / HC7802 / HC 7803 HC 7810 / HC 7815 / HC 7814 HC 7823 / HC 7830 / HC 7833 HC 7816 / HC 7819 / HC 7821	-	HC 8820
170	HC 7602 / HC 7807	-	-
160	HC 7601 / HC 7623	-	-
150	HC 7603	-	-

Item code (Alymers)	PE / EPOXY	Acid Value	Viscosity (cP, _{@200°C})	Tg (°C)	Cure (°C)	Properties
HC 7601	70/30	27-33	5,500 ± 1,000	55	160	High reactivity. Good physical properties.
HC 7602	70/30	27-33	5,500 ± 1,000	56	170	High reactivity, high gloss.
HC 7603	70/30	27-33	5,500 ± 1,000	57	150	High reactivity. Excellent physical properties.
HC7623	70/30	27-33	5,500 ± 1,000	55	160	High reactivity. Good physical properties.
HC 7801	70/30	28-34	5,000 ± 1,500	62	180	Good flow, Slow cure TMAn free.
HC 7802	70/30	30-40	3,500 ± 500	56	180	High gloss. TMAn free.
HC 7803	70/30	27-33	6,000 ± 1,500	60	180	Good flow. TMAn free. High matting effect with B-68
HC 7807	70/30	28-34	5,000 ± 1,000	59	170	Good flow, high gloss. TMAn free.
HC 7810	70/30	27-35	4,500 ± 700	57	180	Medium reactivity TMAn free.
HC 7814	70/30	28-34	6,000 ± 1,000	61	180	Good flow, Fast cure, general purpose. TMAn free.
HC 7815	70/30	30-36	5,000 ± 1,000	54	180	Excellent flow, Yellowing resistance. TMAn free.
HC 7816	70/30	30-38	6,000 ± 1,000	63	170	Good flow, fast cure. Yellowing resistance. TMAn free.
HC 7819	70/30	29-35	6,000 ± 1,000	60	180	Good flow, High gloss. TMAn free.
HC 7821	70/30	29-35	5,500 ± 1,000	60	180	High gloss, medium cure. TMAn free.
HC 7823	70/30	29-35	6,000 ± 1,000	57	180	Good flow, general properties, TMAn free
HC 7830	70/30	31-37	4,500 ± 1,000	57	180	Very good flow. chemical resistance
HC 7833	70/30	30-36	5,000 ± 1,000	56	180	Very good flow. TMAn free. High matting effect with B-68
HC 7002	70/30	27-35	5,000 ± 1,000	58	200	Excellent flow, high gloss. TMAn free.
HC 7006	70/30	28-34	4,500 ± 1,000	53	200	Very excellent flow. TMAn free.
HC 7010	70/30	31-37	5,500 ± 1,000	59	200	Excellent flow, high gloss. TMAn free.
HC 7023	70/30	29-35	6,000 ± 1,000	57	200	Excellent flow, general properties, TMAn free
HC 7007	75/25	24-30	8,500 ± 1,000	61	200	Excellent flow, high gloss. TMAn free.
HC 8820	80/20	16-24	9,000 ± 1,000	57	180	Good flow, TMAn free.
HC 8020	80/20	16-24	9,000 ± 1,000	57	200	Very good flow, high gloss. TMAn free.

HAA SYSTEM

- Carboxyl terminated polyester resin designed for use with Hydroxyalkylamide curing agent for out-door applications of architectural frames, machineries, fences etc.
- Weather-resistance and non-toxic.



General

Cure(°C)	96.5 : 3.5 96 : 4	97 : 3	97.5 : 2.5	93 : 7	90 : 10
200	-	-	-	-	-
180	PC 1801 PC 1802 PC 1811 PC 1814 PC 1823 PC 1843 PC 1850	PC 1803 PC 1831	PC 1816	PC 8802	PC 8801 PC 8804
170	PC 1807	-	-	-	-
160	PC 1601	-	-	PC 8602 PC 8805	-
150	-	-	-	PC 8601	-

Item code (Alymers)	PE / HAA	Acid Value	Viscosity (cP, _{@200°C})	Tg (°C)	Cure (°C)	Properties
PC 1601	96.5/3.5	23-29	12,500 ± 1,000	61	160	Good flow, fast cure.
PC 1802	96.5/3.5	20-28	4,500 ± 700	56	180	Excellent flow. Excellent degassing properties.
PC 1807	96.5/3.5	20-28	6,000 ± 1,000	57	170	Very good flow.
PC 1811	96.5/3.5	20-28	5,500 ± 1,000	56	180	Very good flow, General purpose.
PC 1850	96.5/3.5	22-28	5,500 ± 1,000	59	180	Good flow, General properties.
PC 1814	96/4	22-28	5,000 ± 1,000	58	180	Good flow, General purpose.
PC 1823	96/4	23-29	5,500 ± 1,000	60	180	Good flow, fast cure.
PC 1843	96/4	23-29	5,500 ± 1,000	59	180	Good flow, General properties.
PC 1803	97/3	18-24	8,000 ± 1,000	58	180	Very good flow. Excellent degassing properties.
PC 1812	97/3	18-24	8,000 ± 1,000	60	180	Very good flow. Excellent degassing properties.
PC 1831	97/3	18-24	6,000 ± 1,000	56	180	Very good flow, architectural grade.
PC 1816	97.5/2.5	14-20	7,000 ± 1,000	52	180	Excellent flow. For matt dry blending.
PC 8601	93/7	47-53	4,000 ± 500	53	160	Flexibility. Good chemical resistance.
PC 8602	97/3	47-53	4,000 ± 500	57	160	Flexibility. architectural grade.
PC 8802	93/7	45-55	5,500 ± 1,000	70	180	High Tg. For matt dry blending.
PC 8805	93/7	45-55	5,000 ± 1,000	57	160	Low curing Temp. Excellent physical properties.
PC 8804	90/10	65-75	2,000 ± 500	60	180	Excellent physical properties. For matt dry blending.
PC 8100	92/8	50-60	3,500 ± 1,000	57	180	Suitable for one shot matt low gloss.

HAA SYSTEM

- Carboxyl terminated polyester resin designed for use with Hydroxyalkylamide curing agent for out-door applications of architectural frames, machineries, fences etc.
- Weather-resistance and non-toxic.



Cure(°C)	General		Super Durable		
	95 : 5	97 : 3	95 : 5	93 : 7	90 : 10
200	-	-	PC 2013	-	-
190	-	-	PC 2010	-	-
180	PC 2802 PC 2808 PC 2811 PC 2812 PC 2816 PC 2820 PC 2829 PC 2832 PC 2833 PC 2870 PC 2871	PC 1824	PC 2831 PC 2834	-	-
170	-	-	-	PC 8811	-
160	PC 2604 PC 2606 PC 2607	-	-	-	PC 8502
150	-	-	-	PC 8503	-

Item code (Alymers)	PE / HAA	Acid Value	Viscosity (cP, @200°C)	Tg (°C)	Cure (°C)	Properties
PC 2604	95/5	30-36	4,500 ± 700	60	160	Blooming free. Good chemical resistance.
PC 2606	95/5	33-39	4,500 ± 1,000	60	160	Good flow. physical properties.
PC 2607	95/5	30-36	4,500 ± 1,000	58	160	Good flow. Blooming free. Outdoor durability.
PC 2802	95/5	28-34	3,500 ± 500	62	180	General purpose. Blooming free.
PC 2808	95/5	32-38	4,000 ± 1,000	60	180	Excellent flow. Outdoor durability.
PC 2811	95/5	31-37	3,500 ± 500	60	180	Excellent flow. Yellowing resistance.
PC 2812	95/5	32-38	3,000 ± 500	58	180	Excellent flow. Blooming free. Very flexible.
PC 2816	95/5	31-37	3,500 ± 500	58	180	Very good flow. Outdoor durability.
PC 2820	95/5	31-37	3,500 ± 500	60	180	Very good flow. Blooming free. Enhanced outdoor durability.
PC 2829	95/5	30-38	4,500 ± 1,000	67	180	Very good flow, High Tg. Enhanced outdoor durability.
PC 2832	95/5	24-30	3,200 ± 500	57	180	Excellent flow and degassing properties.
PC 2833	95/5	28-34	3,500 ± 500	61	180	Good flow, General properties.
PC 2870	95/5	31-37	2,500 ± 500	60	180	Excellent flow. Blooming free. Enhanced Outdoor durability.
PC 2871	95/5	32-38	3,000 ± 500	58	180	Fast cure, Blooming free. Enhanced outdoor durability.
PC 1824	97/3	17-23	3,700 ± 1,000	58	180	Very good flow. Super Durable. Slow cure. For matt dry-blending.
PC 2010	95/5	28-34	3,500 ± 700	62	190	Good flow. Super Durable.
PC 2013	95/5	30-36	2,000 ± 500	64	200	Good flow. High Tg Super Durable.
PC 2831	95/5	28-34	5,000 ± 700	62	180	Good flow. Yellowing resistance Super Durable.
PC 2834	95/5	32-38	2,000 ± 500	61	180	Very Good flow. Super Durable.
PC 8503	93/7	45-55	2,500 ± 500	58	155	Good chemical resistance. Super Durable. Fast cure. For matt dry-blending.
PC 8811	93/7	47-53	3,500 ± 500	62	170	Good chemical resistance. Super Durable. Fast cure.
PC 8502	90/10	65-75	6,000 ± 1,000	64	155	Good chemical resistance. Super Durable. Fast cure. For matt dry-blending.

TGIC SYSTEM

- Carboxyl terminated polyester resin designed for use with TGIC for out-door applications of architectural window-frames, industrial or agricultural machines etc.
- Weather-resistance and high-gloss and excellent mechanical properties.



General

Cure(°C)	93 : 7
220	-
200	TC 3001 / TC 3003 / TC 3004 TC 3009 / TC 3014 / TC 3021 / TC 3023
180	TC 3801 / TC 3802 / TC 3803 TC 3806 / TC 3821 / TC 3824 / TC 3843 / TC 3850
160	TC 3601 / TC 3602
150	TC 3502
140	TC 3401

Item code (Alymers)	PE / TGIG	Acid Value	Viscosity (cP,@200°C)	Tg (°C)	Cure (°C)	Properties
TC 3401	93/7	31-37	4,000 ± 700	62	140	Good flow and flexibility. Blooming free.
TC 3502	93/7	30-36	3,500 ± 500	62	150	Good flow. Mechanical properties.
TC 3601	93/7	30-36	3,500 ± 700	60	160	Good flow, High reactivity.
TC 3602	93/7	30-36	3,500 ± 700	60	160	Good flow and flexibility. High reactivity.
TC 3801	93/7	30-40	5,000 ± 1,500	63	180	Pre-coated post-formed application.
TC 3802	93/7	30-36	5,000 ± 1,500	67	180	Good flow.
TC 3803	93/7	30-36	5,000 ± 1,500	70	180	Very good flow, Storage stability.
TC 3806	93/7	30-36	3,500 ± 1,000	55	180	For clear coat formulation. 1% M/B of flow agent.
TC 3821	93/7	32-38	4,500 ± 700	67	180	Good flow, weathering resistance.
TC 3824	93/7	32-38	7,500 ± 1,000	69	180	High molecular weight, High Tg. Medium reactivity.
TC 3843	93/7	29-35	9,500 ± 1,000	67	180	Good flow, high gloss, Gas resistance.
TC 3850	93/7	30-36	4,500 ± 1,000	63	180	Good flow, high gloss, General properties
TC 3001	93/7	30-36	3,500 ± 700	60	200	Good flow, flexibility.
TC 3003	93/7	30-38	5,000 ± 1,000	67	200	Enhanced outdoor durability Alymers TC3021 Accelerated Version.
TC 3004	93/7	30-36	5,000 ± 1,000	67	200	Very good flow.
TC 3009	93/7	30-38	4,500 ± 1,000	64	200	Excellent flow, flexibility.
TC 3014	93/7	31-37	4,500 ± 1,000	59	200	Very good flow. Physical properties.
TC 3021	93/7	30-38	4,500 ± 1,000	67	200	Excellent flow, Enhanced outdoor durability
TC 3023	93/7	28-34	4,500 ± 1,000	63	200	Excellent flow, general properties.

TGIC SYSTEM

- Carboxyl terminated polyester resin designed for use with TGIC for out-door applications of architectural window-frames, industrial or agricultural machines etc.
- Weather-resistance and high-gloss and excellent mechanical properties.



Cure(°C)	General		Super Durable	
	96 : 4 95 : 5	90 : 10	93 : 7	90 : 10
220	-	-	-	-
200	TC 4004 TC 4007	TC 8006 TC 8010	TC 3005 TC 3006	TC 8001
180	-	-	TC 3828	-

Item code (Alymers)	PE / TGIG	Acid Value	Viscosity (cP, @200°C)	Tg (°C)	Cure (°C)	Properties
TC 4004	96/4	17-25	10,000 ± 1,500	68	200	Very excellent flow and high Tg For matt dry blending.
TC 4007	96/4	18-24	7,000 ± 1,000	60	200	Excellent flow and flexibility. Excellent physical properties.
TC 8006	90/10	45-55	5,000 ± 1,000	67	200	Fast cure. For matt dry blending.
TC 8010	90/10	45-55	7,500 ± 1,000	70	200	Fast cure. For matt dry blending.
TC 3828	93/7	31-37	2,200 ± 500	63	180	Excellent flow, Super Durable.
TC 3005	93/7	32-38	2,200 ± 800	62	200	Excellent flow, Super Durable. For matt dry blending.
TC 3006	93/7	29-35	5,000 ± 1,500	64	200	Very good flow, Super Durable.
TC 8001	90/10	45-55	5,000 ± 1,500	64	200	Fast cure, Super Durable. For matt dry blending.

PT910 SYSTEM

	General	Super Durable
Curing Temp.(°C)	93 : 7	94 : 6
220	-	-
200	MC 0004 / MC 0005	MC 0003
180	MC 0801 / MC 0802 MC 0805 / MC 0807 / MC 0810	-
160	MC 0601	-
150	MC 0501	-

Item code (Alymers)	PE / Araldite PT910	Acid Value	Viscosity (cP,@200°C)	Tg (°C)	Cure (°C)	Properties
MC 0501	93/7	22-28	10,000 ± 1,000	61	150	Good flow. General purpose.
MC 0601	93/7	22-28	10,000 ± 1,000	61	160	Good flow. General purpose.
MC 0801	93/7	22-28	9,000 ± 1,000	68	180	Good flow. General purpose.
MC 0802	93/7	22-28	9,000 ± 1,000	68	180	Good flow. General purpose.
MC 0805	93/7	24-30	8,500 ± 1,000	70	180	Good heat resistance.
MC 0807	93/7	24-30	9,000 ± 1,000	63	170 (15')	Very good flow. flexibility.
MC 0810	93/7	20-26	10,000 ± 1,500	68	180	Good mechanical properties, High gloss.
MC 0004	93/7	23-29	12,000 ± 1,500	68	210	Non-catalyst. High molecular weight.
MC 0005	93/7	22-28	9,000 ± 1,000	67	200	Good flow, high gloss, Architectural purpose.
MC 0003	94/6	19-25	8,000 ± 1,500	62	200	Super Durable, good flow.

URETHANE SYSTEM

Curing Temp.(°C)	General				Super Durable
	87 : 13	80 : 20	67 : 33	40 : 60	87 : 13
220	-	-	-	-	-
200	UC 9001 / UC 9005 UC 9007 / UC 9008 UC 9022 / UC 9023 UC 9035	UC 9009 UC 9013 UC 9036	UC 9004 UC 9027	UC 9003	UC 9016

Item code (Alymers)	PE / Isocyanate	Hydroxyl Value	Viscosity (cP,@200°C)	Tg (°C)	Cure (°C)	Properties
UC 9003	40/60	285-315	5,500 ± 1,000	53	200	Anti-graffiti. For one-shot matt system.
UC 9004	67/33	90-110	3,000 ± 500	52	200	High reactivity. Chemical resistance.
UC 9027	67/33	90-110	3,000 ± 500	58	200	High reactivity. Chemical resistance.
UC 9001	87/13	26-34	6,500 ± 1,000	60	200	Good flow.
UC 9005	87/13	30-38	6,000 ± 1,000	68	200	Good flow. High Tg
UC 9007	87/13	31-39	6,500 ± 1,000	59	200	Excellent flow. General purpose.
UC 9008	87/13	31-39	8,000 ± 1,000	63	200	Excellent flow. General purpose.
UC 9022	87/13	32-38	11,000 ± 1,500	65	200	Good flow. General & pattern formulation.
UC 9023	87/13	32-38	6,000 ± 1,000	59	200	Excellent flow. Chemical resistance.
UC 9035	87/13	30-40	10,000 ± 1,500	63	200	Good mechanical properties. For one-shot matt system with blocked isocyanates.
UC 9009	80/20	35-45	5,000 ± 1,000	62	200	Very good flow. For pattern formulation.
UC 9013	80/20	45-55	4,500 ± 700	60	200	Very good flow. For Wrinkle effect.
UC 9036	80/20	45-55	7,000 ± 1,500	63	200	Good mechanical properties. For one-shot matt system with uretdione.
UC 9016	87/13	27-33	5,000 ± 1,000	61	200	Super Durable, good flow.

MASTER BATCH

Catalyst			Tribo		Flow
TC 001 / TC 003			AC 3002		AC 3005 / AC 3006
Item code (Alymers)	Type	Acid Value	Viscosity (cP)	Tg (°C)	Properties
TC 001	Master Batch	30-36	3,200 ± 500	60	Curing accelerator for powder coating. Resin of containing 5% of curing accelerator.
TC 003	Master Batch	27-33	3,000 ± 500	60	Curing accelerator for powder coating. Resin of containing 10% of curing accelerator.
AC 3002	Master Batch	Max.4	6,500 ± 1,500	60	Tribo additives for powder coating. Resin of containing 5% of active agent.
AC 3005	Master Batch	Max.5	2,500 ± 700	57	Leveling agent for powdercoating. Resin of containing 15% M/B of acrylic polymer.
AC 3006	Master Batch	Max.6	3,000 ± 700	57	Leveling agent for powdercoating. Resin of containing 10% M/B of acrylic polymer.

ACRYLIC

Matting Agent				Clear Coat	
AC 2102 / AC 2105				AC 2202 / AC 2206 / AC 2207	
Item code (Alymers)	Type	EEW (g/eqiv.)	Tg (°C)	Properties	
AC 2102	Matting Agent	650-750	78	One shot dead matting properties. Very nice mat finishes	
AC 2105	Matting Agent	450-550	75	One shot dead matting properties. Very nice mat finishes	
AC 2202	GMA Acrylic	500-560	54	Clear top coat for powder coating.	
AC 2206	GMA Acrylic	500-560	52	Clear top coat for powder coating.	
AC 2207	GMA Acrylic	530-590	63	Clear top coat for powder coating.	

HAA HARDENER

Inomid					
AH 001					
Item code (Inomid)	Type	Hydroxyl Value	Water Content(%)	Melting Point(°C)	Properties
AH 001	Hardener	620 - 700	Max. 1	120 - 124	Hydroxyalkylamide crosslinker for the formulation of exterior durable powder coatings.

MATTING SYSTEM

HAA

Dry Blend (General)		Dry Blend (Super Durable)		One-Shot (General)	One-Shot (Acrylic Polymer)		
30-40G	25-35G	15-25G	10-20G	30-40G	20-30G	5G	5G
PC 8805 AV : 50	PC 8802 AV : 50	PC 8804 AV : 70	PC 8804 AV : 70	PC 8503 AV : 50	PC 8502 AV : 70	PC 8100	PC 2808 PC 2820
+ PC 1803 AV : 21	+ PC 1803 AV : 21	+ PC 1803 AV : 21	+ PC 1812 AV : 21	+ PC 1816 AV : 18	+ PC 1824 AV : 20		+ PC 1824 AV : 20

TGIC

Dry Blend (General)		Dry Blend (Super Durable)	One-Shot (Acrylic Polymer)
20-30G	15-25G	25-35G	5G
TC 8006 AV : 50	TC 8010 AV : 50	TC 8001 AV : 50	TC 3004 TC 3021
+ TC 4004 AV : 21	+ TC 4004 AV : 21	+ TC 3005 AV : 35	+ AC 2102 AC 2105

Urethane

One-Shot (General)			One-Shot (Super Durable)
5-15G	15-25G	15-25G (with Uretidione)	10-20G
UC 9003 OHV: 300	UC 9003 OHV: 300	UC 9003 OHV: 300	UC 9003 OHV: 300
+ UC 9035 OHV: 35	+ UC 9007 AV : 35	+ UC 9036 OHV: 50	+ UC 9016 OHV: 30

LEAD CHANGES OF IDEAS

The company that trust and honesty become the foundation. We communicate and cooperate each other to make the world that we all move together for bright, happy and healthy society.



To create
an active business
environment



To become a
trustworthy
entrepreneur



To ensure market
leadership

Creates New Materials
for Our Better Life





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