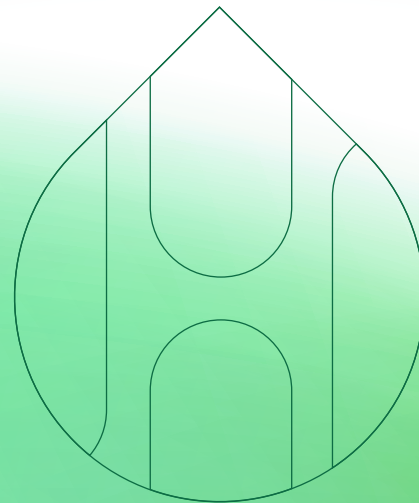




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昊欣新材料 绿色未来

Haoxin New Materials, Green Future

UV

PRODUCT GUIDE 2026

东莞昊欣新材料有限公司

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公司简介 | C O M P A N Y P R O F I L E

东莞昊欣新材料有限公司作为先进材料综合解决方案提供商，深耕于新材料领域的技术前沿，集研发创新、精益生产、全球销售与专业技术服务于一体，是业界公认的企业典范。

昊欣新材料专注于UV固化树脂、UV单体、UV涂层等新材料的研发与制造，致力于通过技术创新推动产业升级。公司产品线广泛覆盖涂料、油墨、高性能胶粘剂、前沿3D打印材料、时尚甲油胶、新能源电池关键材料、光伏技术组件以及精密光学电子元件等多元化应用领域。

以为全球客户提供一站式的整体解决方案为宗旨，构筑定制化研发、解决方案式销售、携手行业伙伴实现技术突破与价值共创。

Dongguan Haoxin New Materials Co., Ltd is a comprehensive provider of UV-curable overall solutions, specializing in the R&D, manufacturing, sales, and technical services of UV curing resins, monomers, photoinitiators and UV coating series.

The applications of Haoxin 's products extend to various fields, including UV coating industry, UV vacuum plating, UV printing ink industry, UV nail polish, 3D printing and many other downstream application scenarios. The company adheres to a differentiated R&D approach, providing customized product development services and integrated advanced material solutions for its partners.

Upholding the mission of "green and sustainable development" and the core philosophy of "innovation, achievement, and value", Haoxin is committed to becoming a leading continuous innovator in full-range UV-curable material system and coating solutions.



厂房面积
Factory area

35000 m²

年产量
Annual capacity

50000 Tons

ISO管理体系认证
Certificate

ISO14001
ISO9001

专利
Patents

100 +

昊辉新材 绿色未来

Haoxin New Materials, Green Future





研发设备

R & D E Q U I P M E N T

能量色散X荧光光谱仪 >
Energy Dispersive X-ray Fluorescence Spectrometer



<
台式积分球分光光度仪
Sphere Benchtop Spectrophotometer



凝胶色谱仪
Gel Permeation Chromatography



气相色谱仪 ^
Gas Chromatograph



^
红外线光谱仪
Infrared Spectrometer

研发团队

R & D L a b o r a t o r y

✓ 实力为盾
Strength is the shield

✓ 自信为矛
Confidence is the spear

✓ 团结为勇
Unity is the courage



由资深化工博士领衔，汇聚80多名顶尖高科技精英构成的精英研发团队，在UV涂层领域深耕细作数十载，凭借深厚的专业底蕴与不懈的创新精神，持续引领行业技术前沿。

Lead by a Senior Chemical Engineering Doctor, the elite R&D team of more than 80 top High-tech elites has been engaged in UV curing materials With its Profound Professional Background and Unremitting Innovative Spirit, it continues to lead the Industry's Technological Frontier.

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The core philosophy of "innovation, achievement, and value"

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Photoinitiator

Product type	Chemical Description	Appearance (at 25°C)	Characteritics		Applications	Absorption wavelength (nm)	Adding Amount	CAS NO.
HX70005	1173 2-hydroxy-2-methyl-1-phenyl-1-acetone	Colorless or slightly yellow transparent liquid	Low viscosity High reactivity Good compatibility		Various light curing systems	244, 330	1-5%	7473-98-5
HX70006	184 1-hydroxycyclohexyl phenyl ketone	White powder	High reactivity Good compatibility		Various light curing systems	243, 331	2-4%	947-19-3
HX70007	BP Benzophenone	White flaky crystal	Fast curing speed		Various light curing systems	270, 325	1-5%	119-61-9
HX70008	TPO Diphenyl(2,4,6-trimethylbenzoyl) phosphine oxide	Light yellow crystal	Fast curing speed High deep curing efficiency		Various light curing systems Pigmented systems Thick coating	275, 379	Colored system:0.5-3.0% Transparent system:0.3-0.5%	75980-60-8
HX70009	ITX 2-isopropyl thioxanthone	Light yellow powder	Fast curing speed High deep curing efficiency		Various light curing systems Pigmented systems Thick coating	255, 384	1-5%	5495-84-1
HX70010	819 Phenylbis(2,4,6-trimethylbenzoyl) phosphine oxide	White or light yellow powder	High reactivity Good compatibility		Various light curing systems Pigmented systems Thick coating	237, 275, 380	1-5%	162881-26-7
HX70011	754 A mixture of phenylacetate 2- [2-oxyxy-2-phenyl-acetydoxy-ethyl] ethyl ester and phenoxyacetate 2- [2-hydroxyacetyxy] ethyl ester	Light yellow liquid	High reactivity Good compatibility		Various light curing systems	260, 340	1-5%	—
HX70010	819 Phenylbis(2,4,6-trimethylbenzoyl) phosphine oxide	White or light yellow powder	High reactivity Good compatibility		Various light curing systems Pigmented systems Thick coating	237, 275, 380	1-5%	162881-26-7
HX70010	819 Phenylbis(2,4,6-trimethylbenzoyl) phosphine oxide	White or light yellow powder	High reactivity Good compatibility		Various light curing systems Pigmented systems Thick coating	237, 275, 380	1-5%	162881-26-7
HX70010	819 Phenylbis(2,4,6-trimethylbenzoyl) phosphine oxide	White or light yellow powder	High reactivity Good compatibility		Various light curing systems Pigmented systems Thick coating	237, 275, 380	1-5%	162881-26-7

Acrylic Monomer

Product type	Chemical Description	Abbreviation bilingual	Functionality	Characteritics		Appearance (at 25°C)	Color (APHA)	Viscosity (CPS at 25°C)	AcidValue (mgKOH/g)	MEHQ, ppm	RI (nD at 20°C)	CAS NO.
HX60001	2-hydroxyethyl methacrylate	HEMA	1	Good dilution Good adhesion		Clear liquid	≤20 (APHA)	5-10	≤0.2	250±20	1.4505	868-77-9
HX60002	Hydroxypropyl methacrylate	HPMA	1	Good dilution Good adhesion		Clear liquid	≤50 (APHA)	—	≤0.2	180-220	1.444	27813-02-1
HX60003	2-Phenoxyethyl acrylate	PHEA	1	Good adhesion Good flexibility High refractive index		Clear liquid	≤100 (APHA)	5-25	≤0.3	180-300	1.517	48145-04-6
HX60004	Cyclic Trimethylolpropane Formal Acrylate	CTFA	1	Low odor Good chemical resitance Fast curing speed High hardness,good wear resistance Tg=14°C		Clear liquid	≤100 (APHA)	5-30	≤0.5	100-300	1.462	66492-51-1
HX60005	2-(2-Ethoxyethoxy) Ethyl Acrylate	EOEOEA	1	Low shrinkage Good flexibility Good dilution ability Tg=-56°C		Clear liquid	≤100 (APHA)	2-15	≤0.5	200-600	1.436	7328-17-8
HX60006	Isobornyl Acrylate	IBOA	1	Low viscosity Good dilution ability Fast curing speed		Clear liquid	≤1	5-25	≤0.2	80-120	1.504	5888-33-5
HX60007	Cisobornyl methacrylate	IBOMA	1	Good adhesion Good toughness Good wear resistance Good thermal resistance Good water resistance Tg=96°C		Clear liquid	≤50 (APHA)	5-20	≤0.5	120-180	1.474	7534-94-3
HX60008	Tetrahydrofurfuryl Acrylate	THFA	1	Good weather resitance Good chemical resitance Excellent adhesion to plastic Tg=-15°C		Clear liquid	≤100 (APHA)	1-10	≤0.5	500-600	1.456	2399-48-6
HX60018	Dipropylene glycol diacrylate	DPGDA	2	Good dilution Low viscosity Fast curing speed		Clear liquid	≤100 (APHA)	2-20	≤0.5	400-600	1.449	57472-68-1
HX60019	Tripropylene glycol diacrylate	TPGDA	2	Benzene-free Low volatility Low viscosity High reactivity Good flexibility		Clear liquid	≤50 (APHA)	10-16	≤0.5	200-500	1.45	42978-66-5
HX60020	Propoxylated Neopentyl Glycol Diacrylate	2PO-NPGDA	2	Good adhesion Low surface tension Low shrinkage Good flexibility		Clear liquid	≤80 (APHA)	5-30	≤0.5	200-500	1.447	84170-74-1
HX60021	Ethoxylated Bisphenol-A Diacrylate	BPA4EODA	2	Low odor High hardness Good chemical resitance High refractive index		Clear liquid	≤150	800-1000	≤1.0	200-500	1.537	64401-02-1
HX60022	Ethoxylated Bisphenol-A Diacrylate	BPA10EODA	2	Low odor High hardness Good chemical resitance High refractive index		Clear liquid	≤100	350-800	≤1.0	100-300	1.515	64401-02-1
HX60023	Polyethylene Glycol(200) Dimethacrylate	PEG(200)DA	2	Good flexibility Hydrophilic		Clear liquid	≤100 (APHA)	5-40	≤1.0	400-600	1.463	26570-48-9

Acrylic Monomer

Product type	Chemical Description	Abbreviation bilingual	Functionality	Characteritics		Appearance (at 25°C)	Color (APHA)	Viscosity (CPS at 25°C)	AcidValue (mgKOH/g)	MEHQ, ppm	RI (nD at 20°C)	CAS NO.
HX60024	Polyethylene Glycol(400) Dimethacrylate	PEG(400)DA	2	Good flexibility Hydrophilic Low shrinkage		Clear liquid	≤30 (APHA)	30-80	≤0.1	400-600	1.467	26570-48-9
HX60025	Polyethylene Glycol(600) Dimethacrylate	PEG(600)DA	2	Good flexibility Hydrophilic Low shrinkage		Clear liquid	≤100 (APHA)	40-150	≤0.1	400-600	1.469	26570-48-9
HX60026	Diethylene Glycol Dimethylate	DEGDMA	2	Good water resistance High hardness		Clear liquid	≤150 (APHA)	1-15	≤0.5	400-600	1.457	2358-84-1
HX60027	Triethylene Glycol Dimethacrylate	TEGDMA	2	Good flexibility Hydrophilic		Clear liquid	≤100 (APHA)	5-50	≤0.5	300-500	1.459	109-16-0
HX60028	Trimethylolpropane triacrylate	TMPTA	3	High hardness Good chemical resistance High reactivity		Clear liquid	≤50 (APHA)	80-135	≤0.2	150-250	1.473	15625-89-5
HX60033	Propoxylated Trimethylolpropane Triacrylate	TMP3POTA	3	Good flexibility Good water resistance Low irritation		Clear liquid	≤150 (APHA)	60-110	≤0.5	400-600	1.461	53879-54-2
HX60030	Ethoxylated Trimethylolpropane Triacrylate	TMP3EOTA	3	High hardness Low irritation		Clear liquid	≤70 (APHA)	40-80	≤0.5	180-350	1.469	28961-43-5
HX60031	Ethoxylated Trimethylolpropane Triacrylate	TMP6EOTA	3	Good flexibility Hydrophilic		Clear liquid	≤100 (APHA)	60-100	≤0.5	200-400	1.469	28961-43-5
HX60032	Ethoxylated Trimethylolpropane Triacrylate	TMP9EOTA	3	Low shrinkage Good flexibility Hydrophilic Low irritation		Clear liquid	≤70 (APHA)	70-120	≤1.0	200-400	1.469	28961-43-5
HX60038	Ethoxylated Trimethylolpropane Triacrylate	TMP15EOTA	3	Low shrinkage Good flexibility Hydrophilic Low irritation		Clear liquid	≤50 (APHA)	120-160	≤0.5	140-350	1.4713	28961-43-5
HX60034	Propoxylated Glyceryl Triacrylate	GPTA	3	Fast curing speed Low irritation Good toughness Good pigment and dye wetting		Clear liquid	≤100 (APHA)	50-100	≤1.0	200-500	1.461	52408-84-1
HX60035	Pentaerythritol triacrylate	PET3A	3	Low irritation High reactivity High hardness Good scratch resistance		Clear liquid	≤50 (APHA)	400-800	≤0.5	500-600	1.483	3524-68-3
HX60036	Ditrimethylolpropane Tetraacrylate	DiTMPTA	4	Fast curing speed Excellent wear resistance High crosslink density Good chemical and water resistance		Clear liquid	≤150 (APHA)	500-1,000	≤1.0	400-600	1.476	94108-97-1
HX60037	Dipentaerythritol hexaacrylate	DPHA	6	High reactivity Excellent wear resistance High crosslink density Good chemical and water resistance		Clear liquid	≤100 (APHA)	4,000-10,000	≤0.5	400-600	1.487	29570-58-9

UV Waterborne Oligomer

Product type	Functionality	Characteritics	Applications		Efficient content (%)	Appearance (at 25°C)	Viscosity (CPS at 25°C)	PHValue
HX40005	2	Good flexibility Good adhesion Fast curing speed Good compatibility Good water resistance	Wood coatings Plastic coatings OPV		35±2	Milky with blue light semi-permeable liquid	10-500	5.5-7.5
HX40006	3	Good adhesion Good flexibility	Plastic coatings		40±2	Milky with blue light semi-permeable liquid	10-500	6.5-8.0
HX40022	3	Physical surface drying Easy to matting High solvent resistance Low-yellowing	Wood coatings		35±2	Milky with blue light semi-permeable liquid	10-500	6.0-8.0
HX40023	3	Physical surface drying Easy to matting Good water resistance Chemical resistance Low-yellowing	Wood coatings		37±2	Milky liquid	20-1,000	7.0-9.0
HX40024	3	Fast curing speed Good toughness Chemical resistance Anti-biting Good abrasion resistance Hydrolysis resistance	Plastic coatings Wood coatings		41±2	Milky liquid	50-300	7.0-9.0
HX40015	6	Solvent free High hardness Easy to matting Good abrasion resistance	Wood coatings Plastic coatings OPV		50±2	Milky with blue light semi-permeable liquid	10-500	5.5-8.5
HX40021	6	Fast curing speed High hardness High level & fullness Good water resistance	Wood coatings Plastic coatings		90±2	Clear liquid	8,000-25,000	7.0-9.0
HX40025	6	High solid content High hardness and wear resistance Fast curing speed Good water resistance	Plastic coatings Wood coatings		67±2	Milky liquid	300-1,000	5.0-8.0
HX40026	6	High gloss and high fullness High hardness and wear resistance Fast curing speed Good water resistance	Plastic coatings Wood coatings		55±2	Milky liquid	10-500	6.0-8.5
HX40031	6	Fast curing speed High hardness Easy to wash with water Good water solubility	Wood coatings Plastic coatings 3D Printing application		100	Clear liquid	40,000-60,000	7.0-8.0
HX40032	6	High gloss and high fullness High hardness and wear resistance Fast curing speed Good water resistance	Wood coatings Plastic coatings		95±2	Milky liquid	10,000-30,000	6.0-8.5
HX40027	8	Skin Sensation Fast curing speed Good water resistance	Plastic coatings Wood coatings		42±2	Milky liquid	10-500	6.0-8.5
HX40028	10	Anti-fingerprint, anti-graffiti, stain resistant High hardness and wear resistance Fast curing speed Good water resistance	Plastic coatings Wood coatings		50±2	Milky liquid	200-1,000	6.0-8.0

UV Waterborne Oligomer

Product type	Functionality	Characteritics	Applications		Efficient content (%)	Appearance (at 25°C)	Viscosity (CPS at 25°C)	PHValue
HX40029	10	High solid content Fast curing speed High hardness and wear resistance Good water resistance	Plastic coatings Wood coatings		52±2	Milky liquid	50-300	7.0-9.0
HX40030	10	Excellent arrangement to pearl powder and silver powder High hardness and wear resistance Good water resistance Good rework adhesion	Plastic coatings		41±2	Milky liquid	100-1,500	7.0-9.0

Urethane Acrylate

Product type	Functionality	Characteritics	Applications		Efficient content (%)	Appearance (at 25°C)	Color (Gardner)	Viscosity (CPS at 25°C)	Shore
HX10001	2	Fast curing speed Good adhesion on thermoplastic primer Good water and chemical resistance	VM primer 3C coatings		100	Clear liquid	≤1	6,000-15,000 @60°C	34D
HX10002	2	Excellent interlayer adhesion Good chemical resistance Good abrasion resistance Good rework adhesion	Middle protective coatings Nail polish VM topcoatings Metal coatings		100	Clear liquid	≤1	15,000-35,000	85D
HX10004	2	Good adhesion Good flexibility Good weather resisance	Adhesive, pressure sensitive adhesive, sealant Flexible substrate primer Display industry application		100	Clear liquid	≤100 (APHA)	38,000-92,000 @60°C	54A
HX10005	2	Easily metalized Good wetting and levleing Good water resistance Good flexibility	VM coating in cosmetic VM primer in mobile phone		100	Clear liquid	≤60 (APHA)	8,000-26,000 @60°C	36D
HX10006	2	Excellent adhesion Fast curing speed High hardness Good heat resistance Easily metalized on PBT、BMC	VM basecoat for PBT/BMC Hard adhesion substrates Adhesive, electronic adhesive Display industry application 3D Printing application		100	Clear liquid	≤1	1,400-3,200 @60°C	86D
HX10007	2	Excellent weather resisance Low viscosity Excellent leveling and fullness Fast curing speed Good adhesion Good water resistance Good chemical resistance Good salt spray resisance	All coatings Inkjet Adhesive, electronic adhesive Display industry application		100	Clear liquid	≤100 (APHA)	400-1,300 @60°C	40D
HX10008	2	Easily metalized Good adhesion to plastics, especially on PC Excellent flexibility Good weather resisance Good water and heat resistance Good chemical resistance	VM basecoat 3C coatings Metal coatings Adhesive(Car light)		100	Clear liquid	≤1	18,000-62,000 @60°C	45D

Urethane Acrylate

Product type	Functionality	Characteritics	Applications		Efficient content (%)	Appearance (at 25°C)	Color (Gardner)	Viscosity (CPS at 25°C)	Shore
HX10009	2	Good wrinkle effect Fast curing speed Wide range of wrinkle effect Good adhesion	Wrinkle ink		100	Clear liquid	≤50 (APHA)	1,800-4,200 @60°C	65D
HX10011	2	Good leveling and fullness Easily metalized Good adhesion to plastics, especially on PC Good water and heat resistance	Mobile phone coatings 3C coatings		100	Clear liquid	≤60 (APHA)	2,800-5,800 @60°C	65D
HX10012	2	Low-yellowing Good adhesion Good leveling Good flexibility	3C coatings Wood coatings		100	Clear liquid	≤1	14,000-42,000	62D
HX10013	2	Low odor Fast curing speed Good flexibility Low-yellowing Good pigment/dye wetting	Nail polish color layer		100	Clear liquid	≤50 (APHA)	4,800-9,200 @60°C	50D
HX10014	2	Rubber feeling	Soft-touch coatings		100	Clear liquid	≤200 (APHA)	1,000-3,000 @60°C	86A
HX10015	2	Low odor Low heat release Good toughness Low-yellowing HEMA, HPMA free	Extend nail glue		100	Clear liquid	≤50 (APHA)	9,000-19,000 @60°C	75D
HX10016	2	Easily metalized Fast curing speed Good compatibility Good water resistance Cost-effective	VM primer Furniture coatings Adhesives		100	Clear liquid	≤100 (APHA)	18,000-42,000 @60°C	23D
HX10017	2	Low-yellowing Good adhesion Good leveling Good flexibility	3C coatings Wood coatings		100	Clear liquid	≤100 (APHA)	17,000-32,000	56D
HX10018	2	High elongation Good bonding adhesion Low-yellowing Good water resistance Good flexibility	Adhesives(PET, PVC)		100	Clear liquid	≤80 (APHA)	15,000-50,000 @60°C	80A
HX10019	2	Good adhesion Good toughness	Adhesives Nail polish base coat		100	Clear liquid	≤3	1,000-10,000	70D
HX10020	2	Low viscosity High hardness Good heat resistance Excellent aging resistance	3D Printing application Nail polish		100	Clear liquid	≤100 (APHA)	4,800-8,200	70D
HX10024	2	High elongation Good bonding adhesion	Adhesives(MDF-PET)		100	Clear liquid	≤100 (APHA)	3,000-40,000 @60°C	28D/40A
HX10056	2	High tensile strength High elongation Good weather resisittance Low energy curing Low odor	Adhesive, electronic adhesive Furniture coatings VM coating on TPU		100	Clear liquid	≤1	4,500-8,800 @60°C	50D

Urethane Acrylate

Product type	Functionality	Characteritics	Applications		Efficient content (%)	Appearance (at 25°C)	Color (Gardner)	Viscosity (CPS at 25°C)	Shore
HX10057	2	Low heat release Good toughness	Nail polish base coat		100	Clear liquid	≤2	3,000-8,000 @60°C	—
HX10058	2	Low heat release Low viscosity Good toughness Low-yellowing HEMA free	Extend nail glue		100	Clear liquid	≤30 (APHA)	5,000-9,000 @60°C	—
HX10060	2	Good compatibility High hardness Good transparent Cost-effective	Extend nail glue		100	Clear liquid	≤30 (APHA)	16,000-24,000 @60°C	—
HX10063	2	Low odor Good toughness Low-yellowing Low heat release	Extend nail glue		100	Clear liquid	≤100 (APHA)	900-1,800 @60°C	—
HX10064	2	Non-stick	Non-stick for extend nail glue		100	Clear liquid	≤100 (APHA)	—	—
HX10065	2	Low viscosity Fast curing speed High hardness Low heat release Good toughness	Extend nail glue		100	Clear liquid	≤40 (APHA)	3,000-6,000 @60°C	84D
HX10067	2	Fast curing speed High hardness Low-yellowing Good toughness Low odor	Extend nail glue		100	Clear liquid	≤50 (APHA)	22,000-28,000 @60°C	88D
HX10070	2	Fast curing speed Good alcohol resistance Good adhesion Good scratch resistance	Nail polish color layer		100	Clear liquid/Haze liquid	≤100 (APHA)	800-2,000 @60°C	82D
HX10076	2	Easily metalized Low shrinkage Excellent flexibility Good water resistance Good adhesion on metal and special substrate	VM coating in cosmetic Mobile phone coatings 3C coatings		100	Clear liquid	≤150 (APHA)	40,000-60,000 @60°C	28D
HX10078	2	Fast curing speed Low viscosity High hardness Good solvent resisitance	3D Printing application 3C coatings Wood coatings		100	Clear liquid	≤100 (APHA)	600-1,500 @60°C	80D
HX10079	2	Good snow effect Wrinkle fast Fast curing speed Good adhesion	Snowflake ink		100	Clear liquid	≤30 (APHA)	42,000-78,000	20D

Urethane Acrylate

Product type	Functionality	Characteritics	Applications		Efficient content (%)	Appearance (at 25°C)	Color (Gardner)	Viscosity (CPS at 25°C)	Shore
HX10081	2	Good adhesion Good weather resistance Good flexibility	VM primer Plastic coatings Transfer glue		100	Clear liquid	≤100 (APHA)	1,000-3,000 @60°C	80D
HX10082	2	Good weather resisitance Low viscosity High tensile strength High elongation Excellent leveling and fullness Not biting silver	All coatings Inks		100	Clear liquid	≤100 (APHA)	3,800-8,200	40D
HX10084	2	Fast surface drying Good bonding adhesion	Adhesives, especially PVC bonding		100	Clear liquid	≤3	10,000-30,000	50D
HX10085	2	High elongation and strength Good abrasion resistance Good weather resisitance Good chemical resisitance	3D Printing application		100	Clear liquid	≤150 (APHA)	20,000-40,000 @60°C	74A
HX10086	2	Good weather resisitance Good adhesion on PC and metal Excellent strength	Adhesives(PC,Metal)		100	Clear liquid	≤100 (APHA)	12,000-20,000 @60°C	45D
HX10087	2	Good snow effect Fast curing speed Thinner snowflake effect than CR90512	Snowflake ink		100	Clear liquid	≤1	10,000-25,000	80D
HX10089	2	Low viscosity The snowflake effect is exquisite Cost-effective	Snowflake ink		100	Clear liquid	≤1	80-180	79D
HX10090	2	Fast curing speed Good flexibility High thermal tensile strength High hardness	Mobile phone coatings Inks Wood coatings Plastic coatings		100	Clear liquid/Haze liquid	≤100 (APHA)	800-2,000 @60°C	72D
HX10091	2	Dual cure polymerization(Free radical and moisture) Good toughness Good adhesion	PCB protection coating Automotive interior paint		100	Clear liquid	≤100 (APHA)	13,000-23,000	75A
HX10092	2	Fast curing speed High cohesion Good elasticity	Electronic glue		100	Clear liquid	≤100 (APHA)	10,000-40,000 @60°C	30D/76A
HX10093	2	High elongation Good adhesion to plastics Excellent chemical resistance, salt spray resistance Good weather resistance Good toughness	Adhesives Electronic paint and glue		100	Clear liquid	≤80 (APHA)	20,000-60,000 @60°C	50D

Urethane Acrylate

Product type	Functionality	Characteritics	Applications		Efficient content (%)	Appearance (at 25°C)	Color (Gardner)	Viscosity (CPS at 25°C)	Shore
HX10095	2	High elongation High tensile strength	Structural adhesive Nail polish base coat Functional adhesive		100	Clear liquid	≤100 (APHA)	20,000-45,000 @60°C	57D
HX10096	2	High elongation Moderate Tensile Modulus Fast curing speed	Protective film Adhesive		100	Clear liquid	≤100 (APHA)	20,000-50,000 @60°C	34D/75A
HX10097	2	Good adhesion Good toughness Good solvent resistance	Adhesives Nail polish		100	Clear liquid	≤100 (APHA)	2,000-7,000 @60°C	63D
HX10098	2	Good toughness Good adhesion Cost-effective	Lamp protection glue Adhesives		100	Clear liquid	≤50 (APHA)	6,000-10,000	70D
HX10099	2	Low viscosity Excellent weather resistance Fast curing speed Good water resistance Good chemical resistance Good leveling Good resilience	Soft-touch coatings Coatings Adhesives Inks DIY crafts 3D Printing application		100	Clear liquid	≤100 (APHA)	2,500-6,500	42D
HX10100	2	Good adhesion Good flexibility Fast curing speed Low-yellowing High elongation	Plastic film coatings Plastic coatings Mobile phone coatings OPV		100	Clear liquid	≤2	9,000-24,000 @60°C	46D
HX10101	2	Good toughness Good adhesion Low-yellowing Good weather resistance	Lamp protection glue Adhesives		100	Clear liquid	≤50 (APHA)	18,000-24,000	63D
HX10103	2	The film is fine and smooth Cost-effective	Special resin for excimer lamp production Wood coatings Plastic film coatings		100	Clear liquid/Haze liquid	≤3	2,500-8,000	78A
HX10104	2	The film is fine and smooth Low-yellowing	Special resin for excimer lamp production Wood coatings Plastic film coatings		100	Clear liquid	≤3	2,000-4,500	72A
HX10105	2	Low TG Good flexibility Good bonding adhesion	Pressure Sensitive Adhesives Electronic structural adhesive		100	Clear liquid	≤100 (APHA)	20,000-60,000 @60°C	25A
HX10106	2	Good adhesion to PI Good flexibility Good water resistance	UV adhesion for reinforce UV adhesion Nail polish		100	Clear liquid	≤100 (APHA)	800-4,500 @60°C	56A

Urethane Acrylate

Product type	Functionality	Characteritics	Applications		Efficient content (%)	Appearance (at 25°C)	Color (Gardner)	Viscosity (CPS at 25°C)	Shore
HX10107	2	Low TG Low odor Good adhesion Good stickiness	Pressure sensitive adhesives		100	Clear liquid	≤2	6,500-20,000 @60°C	76A
HX10108	2	Good pressure sensitivity Good flexibility Low-yellowing	Pressure sensitive adhesives Electronic structural adhesive		100	Clear liquid	≤100 (APHA)	20,000-60,000 @60°C	33A
HX10109	2	Low viscosity Good toughness High gloss Good solvent resistance	Extend nail glue Nail polish topcoat DIYDIY resin mold Structural adhesive		100	Clear liquid	≤50 (APHA)	3,000-6,000 @60°C	71D
HX10110	2	Non-stick Good adhesion	Carved glue, suitable for hose packaging Adhesives		100	Clear liquid	≤100 (APHA)	—	67A
HX10112	2	Good adhesion to metal Good impact resistance Good electrolyte resistance Excellent weather resistance Resistance to voltage breakdown, insulation resistance	New energy battery insulation coating		100	Clear liquid	≤2	19,000-50,000	—
HX10113	2	Fast surface drying High breaking strength Copper brush after repair quickly Nail marks bounce back quickly	UV composite adhesive Optical film coating application		100	Clear liquid	≤60 (APHA)	15,000-25,000 @60°C	65A
HX10114	2	Easy to release High hardness Cost-effective	Mold adhesive application Coatings		100	Clear liquid	≤100 (APHA)	5,000-10,000 @60°C	75D
HX10115	2	Dual cure polymerization(Free radical and moisture) Good adhesion Good toughness	PCB protection coating Automotive interior paint		100	Clear liquid/Haze liquid	≤1	5,000-10,000 @60°C	—
HX10116	2	Non-stick Good adhesion Good flexibility	Carved glue, suitable for open bottle packaging Adhesives		100	Clear liquid	≤100 (APHA)	—	55A
HX10117	2	High strength For PET, PP bonding	Pressure sensitive sdhesives		100	Clear liquid	≤100 (APHA)	5,000-15,000 @60°C	65A
HX10118	2	Fast curing speed High hardness Good flexibility Good adhesion	Adhesives Nail polish base coat		100	Clear liquid	≤2	10,000-30,000 @60°C	—

Urethane Acrylate

Product type	Functionality	Characteritics	Applications		Efficient content (%)	Appearance (at 25°C)	Color (Gardner)	Viscosity (CPS at 25°C)	Shore
HX10119	2	Fast curing speed Good adhesion Good water resistance Good toughness	Adhesives Coatings		100	Clear liquid	≤1	10,000-30,000 @60°C	72D
HX10120	2	Good adhesion Good flexibility Low odor Low heat release	Nail polish base coat		100	Clear liquid	≤2	1,500-5,000 @60°C	75D
HX10121	2	Good pressure sensitivity Good flexibility Low-yellowing	Adhesives		100	Clear liquid	≤100 (APHA)	30,000-80,000 @60°C	32A
HX10122	2	Cost-effective Good compatibility	Extend nail glue 3D Printing application		100	Clear liquid	≤100 (APHA)	9,000-14,000 @60°C	82D
HX10123	2	Low modulus High elongation Good flexibility	3D Printing application Nail polish base coat Patch adhesive Adhesives		100	Clear liquid	<60	15,000-30,000 @60°C	51A
HX10124	2	Dual cure polymerization(Free radical and moisture) Good toughness Good adhesion LED curing	PCB protection coating Automotive interior paint		100	Clear liquid	≤2	6,000-12,000 @60°C	94D
HX10125	2	Good adhesion to metal Good flexibility Good weather resisance Good chemical resistance	Adhesives Coatings Inks		100	Clear liquid	≤2	1,900-3,000	85D
HX10126	2	High viscosity Non-stick for extend nail glue	Non-stick for extend nail glue Structural adhesive		100	Clear liquid	≤100 (APHA)	NA	81D
HX10127	2	Dual cure polymerization(Free radical and moisture) Good toughness Good adhesion	PCB protection coating Automotive interior paint		100	Clear liquid	≤1	8,000-30,000	86A
HX10128	2	High hardness Low-yellowing Good toughness Low odor HEMA-free	Extend nail glue		100	Clear liquid	≤30 (APHA)	25,000-40,000 @60°C	—
HX10129	2	Easily metalized Good adhesion Fast curing speed Good water resistance Resistant to solvent dilution	VM primer Adhesives		100	Clear liquid	≤80 (APHA)	30,000-45,000 @60°C	81A

Urethane Acrylate

Product type	Functionality	Characteritics	Applications		Efficient content (%)	Appearance (at 25°C)	Color (Gardner)	Viscosity (CPS at 25°C)	Shore
HX10130	2.5	Cost-effective Low viscosity, Low-yellowing Good toughness	Extend nail glue		100	Clear liquid	≤30 (APHA)	2,000-4,000 @60°C	89D
HX10025	3	Good adhesion on plastics and metals Excellent leveling Easy to matting	Plastic coatings Metal coatings VM coatings Coatings on hard to adhesion substrates		100	Clear liquid	≤100 (APHA)	300-800	76D
HX10026	3	Easy to matting Good flexibility Good adhesion Excellent martindale resistance	PVC coatings Wood coatings Plastic coatings		100	Clear liquid	≤60 (APHA)	300-1,300 @60°C	84D
HX10027	3	Fast curing speed High gloss after curing Low-yellowing Good stability	Nail polish topcoat		100	Clear liquid	≤50 (APHA)	900-2,000 @60°C	83D
HX10028	3	Fast curing speed Good toughness Low-yellowing	Nail polish Crystal clear glue for casting&coating DIY resin mold		100	Clear liquid	≤50 (APHA)	4,000-10,000 @60°C	86D
HX10029	3	Fast curing speed Good toughness Resistance to repeated bending Good abrasion resistance Good high temperature resistance	VM coatings Topcoat Inks Vibration wear coatings 3D Printing application Adhesives		100	Clear liquid	≤1	13,000-32,000 @60°C	77D
HX10030	3	Good adhesion Easy to matting Good wetting High hardness	Wood topcoat VM topcoat Screen inks		100	Clear liquid	≤1	4,000-9,000 @60°C	78D
HX10131	3	Small ice effect Fast curing speed Fast curing speed Strong sense of stereo	Ice effect		100	Clear liquid	≤1	13,000-33,000	60D
HX10132	3	The film is fine and smooth Line speed 10-15m/min	Special resin for excimer lamp production		100	Clear liquid	≤2	100-500	74D
HX10133	3	Good toughness Good high temperature resistance Good adhesion Good weather resisittance Good abrasion resistance	Coatings		100	Clear liquid	≤100 (APHA)	3,000-5,000 @60°C	—
HX10134	3	Fast curing speed High hardness Low-yellowing Cost-effective	Nail polish Crystal clear glue for casting&coating DIY resin mold		100	Clear liquid	≤50 (APHA)	10,000-50,000 @60°C	85D

Urethane Acrylate

Product type	Functionality	Characteritics	Applications		Efficient content (%)	Appearance (at 25°C)	Color (Gardner)	Viscosity (CPS at 25°C)	Shore
HX10135	3	Fast curing speed Good flexibility Cost-effective Low-yellowing	Nail polish Crystal clear glue for casting&coating		100	Clear liquid	≤100 (APHA)	55,000-75,000	79D
HX10136	3	High gloss and high fullness Hydrolysis resistance Good weather resisitance	Automotive interior paint 3C coatings		100	Clear liquid	≤150 (APHA)	150,000-250,000	78D
HX10137	3	Low-yellowing Fast curing speed Good adhesion Delicate and smooth feeling	Suitable for spraying excimer lamp production		100	Light yellowand daze liquid	≤3	500-1,100	64D
HX10031	2	Self-matting LEDFast curing speed Good scratch resistance Good toughness	Nail polish matte topcoat Matte ink		100	Clear liquid	≤2	1,400-2,200	67A
HX10032	3	Self-matting Low viscosity Delicate and smooth feeling Low-yellowing	Wood matting coatings Paper matting coatings		100	Light yellowand daze liquid	≤1	50-200	67D
HX10033	3	Self-matting Low irritation Delicate and smooth feeling Cost-effective	Wood matting coatings Paper matting coatings		100	Clear liquid	≤2	200-900	30D
HX10034	3	Self-matting Low irritation Delicate and smooth feeling	Wood matting coatings Paper matting coatings		100	Clear liquid/Haze liquid	≤2	80-500	34D
HX10062	3	Self-matting Low irritation Delicate and smooth feeling	Wood matting coatings Paper matting coatings		100	Light yellowand daze liquid	≤2	80-400	60D
HX10138	3	Self-matting Low irritation Delicate and smooth feeling	Wood matting coatings Paper matting coatings		100	Clear liquid/Haze liquid	≤100 (APHA)	80-550	55D
HX10139	4	Fast curing speed Self-matting Good transparency Not biting silver	Plastic matting coatings Wood matting coatings Paper matting coatings		100	Clear liquid	≤1	2,000-6,000	85D
HX10036	4	Good adhesion on metal substrates Good leveling and fullness Solvent free	VM coatings Plastic topcoat		100	Clear liquid	≤2	4,000-15,000 @60°C	83D

Urethane Acrylate

Product type	Functionality	Characteritics	Applications		Efficient content (%)	Appearance (at 25°C)	Color (Gardner)	Viscosity (CPS at 25°C)	Shore
HX10140	4	Dual cure polymerization(Free radical and thermal-curing) Good toughness Good adhesion	Automotive interior paint		100	Clear liquid	≤2	800-5,000	81D
HX10141	4	Fast curing speed Hydrolysis resistance Good weather resisistance Good adhesion	Automotive interior paint 3C coatings		100	Clear liquid	≤1	1,000-3,000	80D
HX10142	4	Fast curing speed Good water resistance Good adhesion Good wetting	VM coatings Automotive interior paint 3C coatings Plastic topcoat		100	Clear liquid	≤2	10,000-18,000	—
HX10143	4.5	Fast curing speed Good scratch resistance Cost-effective	Nail polish Crystal clear glue for casting&coating DIY resin mold		100	Clear liquid	≤80 (APHA)	30,000-35,000	74D
HX10037	6	Good water resistance Good chemical resistance Good abrasion resistance	Abrasion coatings VM topcoat Plastic coatings		100	Clear liquid	≤1	38,000-100,000	85D
HX10038	6	High hardness Good abrasion resistance Low-yellowing High gloss	Plastic coatings VM coatings Inks		100	Clear liquid	≤1	1,300-3,600 @60°C	92D
HX10039	6	Cost-effective Good adhesion Good water resistance Low-yellowing Good toughness	Wood matting coatings Paper matting coatings		100	Clear liquid	≤100 (APHA)	35,000-65,000	91D
HX10040	6	High hardness Good abrasion resistance Good toughness Fast curing speed	Plastic coatings VM coatings Inks		100	Clear liquid	≤1	8,000-32,000	93D
HX10041	6	Good wetting Good matte powder arrangement Good matting efficiency Good scratch resistance The film is fine and smooth	Wood matting coatings Plastic matting coatings		100	Light yellowliquid	≤7	180-550	89D
HX10145	6	High hardness Low viscosity Easy to matting	Wood coatings Plastic coatings		100	Clear liquid	≤100 (APHA)	300-1,100	86D
HX10146	6	Cost-effective Good adhesion Low-yellowing Good toughness	Plastic coatings VM coatings Inks		100	Clear liquid	≤100 (APHA)	44,500-11,500	82D

Urethane Acrylate

Product type	Functionality	Characteritics	Applications		Efficient content (%)	Appearance (at 25°C)	Color (Gardner)	Viscosity (CPS at 25°C)	Shore
HX10147	9	Dual cure polymerization(Free radical and thermal-curing) High gloss and high fullness Hydrolysis resistance Good weather resisittance	Automotive interior paint 3C coatings		92±2	Clear liquid	≤150 (APHA)	10,000-30,000	84D
HX10148	9	High hardness Good abrasion resistance Good scratch resistance Good steel wool resistance Improve vibration wear resistance	VM coatings Plastic coatings Inks		100	Clear liquid	≤1	8,000-36,000	91D
HX10149	9	High hardness Good abrasion resistance Good toughness Fast curing speed	Display industry application Plastic coatings Inks		100	Clear liquid	≤100 (APHA)	10,000-25,000 @60°C	80D
HX10150	9	High hardness Good abrasion resistance Good toughness Good steel wool resistance Improve vibration wear resistance	Metal coatings Plastic coatings Nail polish		100	Clear liquid	≤100 (APHA)	12,000-16,000 @60°C	90D
HX10151	9	High hardness Good abrasion resistance Good toughness Good steel wool resistance Improve vibration wear resistance	VM coatings Plastic coatings Inks		100	Clear liquid	≤100 (APHA)	6,000-14,000 @60°C	92D
HX10152	15	High hardness Good abrasion resistance Good scratch resistance Good steel wool resistance	VM coatings Plastic coatings Inks		100	Clear liquid	≤100 (APHA)	4,500-8,500 @60°C	95D
HX10155	3	Cost-effective Good adhesion Good water resistance Low-yellowing Good toughness	VM topcoat Plastic coatings		—	Clear liquid	≤1	160-240	—
HX10046	3	Good adhesion on metal substrates Fast curing speed with color Good chemical and alcohol resistance Good boiling water resistance	VM coatings Plastic topcoat		—	Clear liquid	≤100 (APHA)	1,200-2,500	—
HX10047	3	Good adhesion on metal substrates Good pigment/dye wetting Good leveling Cost-effective	VM coatings Plastic topcoat		—	Light yellowliquid	≤1	600-1,600	—
HX10048	3	Good adhesion on metal Good water resistance Good interlayer adhesion Good pigment/dye wetting,and can add dark color	VM middle coatings Metal coatings		60±3	Clear liquid	≤100 (APHA)	600-2,100	—
HX10156	3	Good adhesion on metal and glass substrates Good flexibility Resistance to bending Good water resistance Good pigment and dye wetting	VM middle coatings Metal coatings Glass coatings		—	Clear liquid	≤1	2,800-4,200	—

Urethane Acrylate

Product type	Functionality	Characteritics	Applications		Efficient content (%)	Appearance (at 25°C)	Color (Gardner)	Viscosity (CPS at 25°C)	Shore
HX10157	3	Good water resistance Good hand sweat resistance Good leveling Good pigment and dye wetting	VM middle and topcoat Coatings(Plastics,metals,glasses)		—	Clear liquid	≤1	600-1,800	—
HX10049	4	Good vibration wear resistance Good chemical resistance Good hand sweat resistance High hardness Anti-sagging	VM middle coatings Plastic coatings		70±5	Clear liquid	≤60 (APHA)	5,000-9,000	—
HX10159	4	Good toughness Good heat resistance Good abrasion resistance Low-yellowing Excllent adhesion	Display industry application Plastic coatings Inks		75±3	Clear liquid	≤1	400-900	—
HX10160	4	Fast curing speed Good water resistance	VM middle and topcoat		60±5	Clear liquid	≤2	1,400-3,000	72D
HX10161	5	Excellent arrangement to pearl powder and silver powder Fast curing speed High hardness Good abrasion resistance Good pigment stability	Monocoat: silver,color		62±3	Light yellow and daze liquid	≤1	700-2,600	—
HX10050	6	Good adhesion High hardness Good abrasion resistance Good chemical resistance	VM topcoat Plastic coatings		75±3	Clear liquid	≤1	800-1,900 @60°C	—
HX10051	6	Good adhesion Good salt spray resistance Good abrasion resistance Good chemical resistance	Mobile phone coatings Plastic coatings		60±3	Clear liquid	≤100 (APHA)	2,800-6,200	—

Aromatic Urethane Acrylate

Product type	Functionality	Characteritics	Applications		Efficient content (%)	Appearance (at 25°C)	Color (Gardner)	Viscosity (CPS at 25°C)	Shore
HX10052	2	Easily to matting Good scratch resistance Good Leveling Low odor	PVC coatings Wood coatings Plastic coatings		100	Clear liquid	≤2	300-800	82D
HX10053	2	Fast curing speed Easily to matting CR91275 cost down	PVC coatings Wood coatings Plastic coatings		100	Clear liquid	≤200 (APHA)	2,000-6,000 @60°C	39D/66A
HX10055	2	Easy to matting Good flexibility Cost-effective Good scratch resistance	PVC coatings Wood coatings Plastic coatings		100	Clear liquid	≤100 (APHA)	1,000-5,000 @60°C	73D
HX10068	2	Good adhesion Good flexibility Good leveling	Plastic coatings Wood coatings OPV Inks		100	Clear liquid	≤1	3,000-6,500 @60°C	33D
HX10069	2	Fast curing speed Good flexibility	PVC coatings Wood coatings Plastic coatings		100	Clear liquid	≤200 (APHA)	4,000-10,000	50D
HX10162	2	Fast curing speed Good flexibility High hardness	Plastic coatings Wood coatings Inks Nail polish		100	Clear liquid	≤100 (APHA)	4,000-8,000 @60°C	54D
HX10163	2	Fast curing speed Good flexibility Cost-effective Good scratch resistance	PVC coatings Wood coatings Plastic coatings		100	Clear liquid	≤100 (APHA)	70,000-85,000	55D
HX10164	2	Cost-effective Non-crystallizable	PVC coatings Wood coatings Plastic coatings 3D Printing		100	Clear liquid	≤200 (APHA)	15,000-30,000	77D
HX10165	4	Fast curing speed Good wear resistance	PVC coatings Wood coatings Plastic coatings		100	Clear liquid	≤2	615,000-35,000	—
HX10054	6	High hardness Good abrasion resistance	Wood coatings VM topcoat		100	Clear liquid	≤1	1,400-4,200 @60°C	90D
HX10166	9	High hardness Good abrasion resistance Good scratch resistance Cost-effective	Wood coatings VM coatings Plastic coatings Inks		100	Clear liquid	≤1	1,400-3,600 @60°C	91D

Nano-hybrid Modified Urethane Acrylate

Product type	Functionality	Characteritics	Applications		Efficient content (%)	Appearance (at 25°C)	Color (Gardner)	Viscosity (CPS at 25°C)	Shore
HX10153	3-4	Good stain resistance effect Low-yellowing Fast curing speed Cost-effective Low viscosity Good compatibility Easy to matting	Nail polish topcoat Plastic coatings Wood coatings 3C coatings		100	Clear liquid	≤1	1,000-6,000	—
HX10154	6	Fast curing speed Anti-graffiti Cost-effective Low-yellowing High hardness Good abrasion resistance Fell slip	VM coatings Plastic coatings Wood coatings Inks		100	Clear liquid	≤200 (APHA)	13,000-17,000 @60°C	92D
HX10042	6	Anti-graffiti Excellent leveling Water and oil repellency High hardness Good abrasion resistance Fell slip	For stain-resisitance coatings		≥97	Clear liquid	≤3	800-3,200	91D
HX10043	6	Anti-graffiti High hardness Good abrasion resistance Fell slip	For stain-resisitance coatings		≥99	Clear liquid	≤1	4,000-6,000	85D
HX10044	9	Good wear resistance Good flexibility High hardness Excellent steel wool resistance 500-800 times	Mobile phone coatings		80±2	Milky liquid	≤1	500-1,500	85D
HX10045	10	Good wear resistance High hardness Excellent steel wool resistance 3500-6000 times	Mobile phone coatings Harden coatings		85±5	Milky liquid	≤1	500-1,500	85D

Epoxy Acrylate

Product type	Functionality	Characteritics	Applications		Efficient content (%)	Appearance (at 25°C)	Color (Gardner)	Viscosity (CPS at 25°C)	Acid Value (mg KOH/g)	Shore
HX20001	1	Good weather resisitance Good chemical resistance Good flexibility Low shrinkage	Coatings Adhesives Electronic product		100	Clear liquid	≤300 (APHA)	80-320	≤1.7	14D
HX20002	2	High viscosity Fast curing speed Good heat resistance Good chemical resistance	OPV-overprint varnish Wood coatings Plastic coatings		100	Clear liquid	≤100 (APHA)	1,400-3,200 @60°C	≤8	71D
HX20003	2	Fast curing speed High hardness Good adhesion Halogen free	Plastic coatings VM basecoats in cosmetic		100	Clear liquid	≤100 (APHA)	2,600-6,200 @60°C	≤8	80D
HX20004	2	Low-yellowing Good flexibility Fast curing speed Cost-effective	Wood coatings OPV-overprint varnish Inks Nail polish color layer		100	Clear liquid	≤1	16,000-37,000	≤8	78D
HX20005	2	Excellent flexibility Good water resistance	Nail polish VM coatings		100	Clear green liquid	Gray-green	4,000-8,000 @70°C	≤3	35D
HX20006	2	Fast curing speed Good flexibility Good pigment wetting	Offset ink Coatings Adhesives		100	Light yellow liquid	≤300 (APHA)	2,000-3,500 @60°C	≤3	64D
HX20007	2	Fast curing speed Good toughness Good chemical resistance Easily metalized	VM basecoats Plastic coatings Wood coatings Inks		100	Clear liquid	≤1	1,300-2,300 @60°C	≤5	81D
HX20008	2	Low viscosity Fast curing speed Good leveling and fullness Low-yellowing Cost-effective	Plastic coatings Wood coatings Inks		100	Clear liquid	≤2	4,000-6,000	≤5	76D
HX20009	2	Fast curing speed Low-yellowing Cost-effective	Plastic coatings Wood coatings Inks		100	Clear liquid	≤50 (APHA)	18,000-32,000	≤5	75D
HX20010	2	Fast curing speed Good leveling and fullness Low-yellowing Cost-effective	Plastic coatings Wood coatings Inks		100	Clear liquid	≤100 (APHA)	30,000-55,000	≤5	75D
HX20011	2	Fast curing speed Good leveling and fullness Low-yellowing	Plastic coatings Wood coatings Inks		100	Clear liquid	≤100 (APHA)	30,000-75,000	≤5	76D

Epoxy Acrylate

Product type	Functionality	Characteritics	Applications		Efficient content (%)	Appearance (at 25°C)	Color (Gardner)	Viscosity (CPS at 25°C)	Acid Value (mg KOH/g)	Shore
HX20012	2	Fast curing speed Good toughness Good chemical resistance Easily metalized	VM basecoats Plastic coatings Wood coatings Inks		100	Clear liquid	≤100 (APHA)	2,000-3,500 @65°C	≤5	61D
HX20013	2	Fast curing speed Good toughness Good chemical resistance Easily metalized	VM basecoats Plastic coatings Wood coatings Inks		100	Clear liquid	≤2	28,000-62,000	≤2	77D
HX20014	2	Easily metalized Good leveling and fullness Good toughness Good boiling water resistance	VM basecoats in cosmetic Large area spraying for plastics Nail polish color layer		100	Clear liquid	≤1	1,400-2,600 @60°C	≤5	75D
HX20015	2	Easily metalized Low-yellowing Good flexibility Fast curing speed Low odor	VM basecoats in cosmetic Plastic coatings Nail polish color layer		100	Clear liquid	≤100 (APHA)	32,000-57,000	≤8	81D
HX20016	2	Fast curing speed Good flexibility High hardness High gloss Low-yellowing	Wood coatings UV varnish (cigarette pack) UV gravure varnish		100	Clear liquid	≤3	1,800-3,200 @60°C	≤4.5	70D
HX20017	2	Fast curing speed Low-yellowing Good leveling	Nail polish color layer Plastic coatings VM primer Wood coatings		100	Clear liquid	≤50 (APHA)	1,200-3,200 @60°C	≤5	75D
HX20018	2	Good bonding adhesion Excellent water resistance Good bonding retention after HTHH aging	Adhesives, especially on glass		100	Clear liquid	≤500 (APHA)	10,000-30,000 @60°C	<4	80D
HX20019	2	Fast curing speed Good flexibility Low odor Cost-effective	Nail polish color layer Plastic coatings VM primer Wood coatings		100	Clear liquid	≤1	70,000-100,000	≤5	70D
HX20020	2	Good flexibility Good adhesion	Glass and ceramic coatings Metal coating Inks Difficult to adhesion substrate treatment agent		100	Clear liquid	≤500 (APHA)	10,000-20,000	<3	70D
HX20022	2	Fast curing speed Good toughness Low odor Low-yellowing Cost-effective	Wood coatings Nail polish color layer Plastic coatings		100	Clear liquid	≤2	1,400-3,200 @60°C	≤5	72D
HX20023	2	Fast curing speed Good toughness Low odor Low-yellowing Cost-effective	Wood coatings Nail polish color layer Plastic coatings		100	Clear liquid	≤2	1,400-2,500 @60°C	≤5	81D

Epoxy Acrylate

Product type	Functionality	Characteritics	Applications		Efficient content (%)	Appearance (at 25°C)	Color (Gardner)	Viscosity (CPS at 25°C)	Acid Value (mg KOH/g)	Shore
HX20025	2	Fast curing speed Good toughness Good stability	Nail polish color layer Nail polish topcoat Crystal clear glue for casting&coating		100	Clear liquid	≤100 (APHA)	2,500-5,500 @60°C	<5	87D
HX20026	2	Good flexibility Low shrinkage Good leveling and fullness	Wood coatings Inks Overprint varnish		100	Clear liquid	≤13	20,000-45,000	≤12	30D
HX20027	2	Good pigment wetting Good leveling and fullness Low-yellowing	Large area spraying for plastics Wood curtain coatings Cosmetic coatings		100	Clear liquid	≤1	900-2,600 @60°C	≤7	60D
HX20028	2	Fast curing speed Good flexibility Good pigment wetting	Offset ink		100	Light yellow liquid	≤4	3,400-7,000 @60°C	≤3	45D
HX20029	2	Good wetting and leveling Good sandability Low-yellowing	Plastic coatings Wood coatings OPV-overprint varnish		100	Clear liquid	≤1	3,500-6,800	3.0-4.0	20D
HX20031	2	Low odor Good felexibility Low-yellowing	Nail polish color layer Plastic coatings VM primer Wood coatings		100	Clear liquid	≤100 (APHA)	15,000-25,000 @60°C	≤2	58D
HX20032	2	Low viscosity Good leveling Good impact resistance Fast curing speed	Printing iron application		100	Clear liquid	≤1	3,800-8,200	—	85D
HX20033	2	Low odor Good adhesion Fast curing speed	Printing iron application		100	Clear liquid	≤1	3,000-6,000	—	88D
HX20034	2	Good leveling Low odor Good felexibility Low-yellowing	Nail polish color layer Plastic coatings VM primer Wood coatings		100	Clear liquid	≤100 (APHA)	4,000-7,500 @60°C	≤3	72D
HX20035	2	Fast curing speed Good flexibility Cost-effective	Wood coatings Plastic coatings OPV		100	Clear liquid	≤3	2,000-4,500	≤5	59D

Polyester Acrylate

Product type	Functionality	Characteritics	Applications		Efficient content (%)	Appearance (at 25°C)	Color (Gardner)	Viscosity (CPS at 25°C)	Acid Value (mg KOH/g)	Shore
HX30001	1.5	Excellent adhesion Excellent flexibility	Coatings Inks Adhesives		100	Clear liquid	≤1	6,000-12,000 @65°C	<3	50D
HX30002	2	Good adhesion Excellent flexibility Good adhesion on various substrates Low-yellowing	Coatings Inks Adhesives Display industry application		100	Clear liquid	≤500 (APHA)	2,800-6,600 @60°C	<5	40D
HX30003	2	Good leveling Good adhesion on water sticker paper Good flexibility	Plastic coatings Wood coatings Water sticker coatings Primer for MDF coverd with melamine		100	Clear liquid	≤1	5,500-9,500	≤5	21D
HX30004	2	Excellent leveling Good flexibility Low viscosity Good dilution ability	Plastic coatings Wood coatings OPV		100	Clear liquid	≤2	35-75	≤3	50D
HX30005	2	Fast curing speed Good flexibility Low shrinkage	Wood coatings OPV on gold and silver paper Rough varnish on paper		100	Clear liquid	≤1	500-1,400 @60°C	≤5	30D
HX30006	2	Good flexibility Excellent adhesion Good yellow and weather resisance	Primers on wood Glass and china coatings Metal coatings		100	Clear liquid	≤500 (APHA)	1,800-6,200 @60°C	≤3	50D
HX30007	2	Fast curing speed Good wetting Good flexibility Low-yellowing	Inks OPV Laser roller coatings on wood		100	Clear liquid	≤6	16,000-42,000	≤5	77D
HX30009	2	Fast curing speed Good wetting Good flexibility Low-yellowing	Wood coatings Inks Solvent-free spraying coatings OPV		100	Clear liquid	≤80 (APHA)	25-35	<8	40D
HX30010	2	Good adhesion Good pigment wetting Good solvent resistance	Flexo inks Wood coatings OPV		100	Clear liquid	≤8	10,000-32,000	—	72A/15D
HX30036	2	Low viscosity Low-yellowing	Flexo inks Screen inks		100	Clear liquid	≤3	4,200-8,200	—	76A
HX30038	2	Excellent adhesion Rapid film removal High acid value	Protective inks on glass Glass application		100	Clear liquid	≤150 (APHA)	4,000-15,000	—	75D

Polyester Acrylate

Product type	Functionality	Characteritics	Applications		Efficient content (%)	Appearance (at 25°C)	Color (Gardner)	Viscosity (CPS at 25°C)	Acid Value (mg KOH/g)	Shore
HX30039	2	Good adhesion on glass Fast curing speed Rapid film removal High acid value	Protective inks on glass Glass application		100	Clear liquid	≤12	1,800-3,600	30-50	—
HX30040	2	Modified solid rosin Fast curing speed Good pigment wetting Good bolling water resistance Good solvent resistance	Offset ink Screen inks UV varnish		100	Solid	≤3	—	≤3	—
HX30041	2	Light colored solid resin Fast curing speed Good pigment wetting Good bolling water resistance Good solvent resistance	Offset ink Screen inks UV varnish		100	Solid	≤1	—	≤15	—
HX30011	2.5	Low viscosity Low odor Easy to matting Good film formation	Coatings Inks		100	Clear liquid	≤100 (APHA)	8-12	≤9	57D
HX30012	3	Low shrinkage Excellent flexibility Excellent adhesion Good wetting Good yellow and weather resisittance	Primers on wood Glass and china coatings Metal coatings		100	Clear liquid	≤3	2,200-4,800 @60°C	≤8	40D
HX30013	3	Good ink-water balance Good stability Good pigment wetting Cost-effective	Offset ink		100	Clear liquid	≤300 (APHA)	2,800-8,000 @60°C	≤3	80D
HX30014	3	Fast curing speed High hardness Cost-effective Low viscosity	Offset ink Improved adhesion		100	Clear liquid	≤300 (APHA)	4,800-8,800 @60°C	≤3	33D
HX30015	3	Fast curing speed High hardness Cost-effective Low viscosity	Solvent-free spraying on wood coatings OPV		100	Clear liquid	≤1	100-250	≤4	53D
HX30016	3	Fast curing speed Excellent wetting Cost-effective Low viscosity	Solvent-free spraying coatings		100	Clear liquid	≤100 (APHA)	80-200	—	55D
HX30017	3	Fast curing speed Good yellow and weather resisittance Cost-effective Low viscosity	Solvent-free spraying coatings		100	Clear liquid	≤100 (APHA)	60-200	≤6	75D
HX30018	3	Fast curing speed Good leveling Good wetting Good hardness and toughness Good adhesion	Wood coatings Plastic coatings Inks		100	Clear liquid	≤250 (APHA)	40,000-100,000	—	82D

Polyester Acrylate

Product type	Functionality	Characteritics	Applications		Efficient content (%)	Appearance (at 25°C)	Color (Gardner)	Viscosity (CPS at 25°C)	Acid Value (mg KOH/g)	Shore
HX30019	3	Low odor Low-yellowing Good adhesion	Wood coatings Plastic coatings Inks		100	Clear liquid	≤300 (APHA)	9,000-32,000	≤13	45D/89A
HX30020	3	Good water pick up Anti-flying ink Good wetting and flowing Good adhesion	Offset ink		100	Clear liquid	≤8	2,500-3,500 @60°C	≤8	41D
HX30021	3	Good ink-water balance Good fluidity Good stability Good pigment wetting	Offset ink		100	Clear liquid	≤300 (APHA)	2,000-8,000 @60°C	≤8	52D
HX30023	3	Fast curing speed Low-yellowing Good scratch resistance Excellent toughness	Wood coatings Plastic coatings VM coatings Screen inks		100	Clear liquid	≤200 (APHA)	5,000-20,000	≤5	74D
HX30024	3	Low odor Low viscosity Fast curing speed High hardness Excellent scratch resistance Can be used instead of monomer	Wood coatings Plastic coatings Inks OPV		100	Clear liquid	≤2	100-300	≤8	80D
HX30025	3	Low odor Low viscosity Fast curing speed High hardness Low-yellowing Can be used instead of monomer	Wood coatings Plastic coatings Inks OPV		100	Clear liquid	≤100 (APHA)	80-200	<9	80D
HX30042	3	Good ink-water balance Good pigment wetting Good adhesion	Offset ink		100	Clear liquid	≤8	1,500-3,000 @60°C	≤8	—
HX30043	3	Good pigment wetting Good fluidity Good compatibility Good thermal resistance	Flexo inks Offset ink		100	Clear liquid	≤100 (APHA)	3,800-13,000	—	70D
HX30044	3	Low viscosity Fast curing speed Good scratch resistance Cost-effective	Wood coatings Plastic coatings Inks OPV		100	Clear liquid	≤2	50-200	—	60A
HX30045	3	Good arrangement of silver powder Good stability High gloss	Especially suitable for silver ink		100	Clear liquid	≤7	2,000-4,000 @60°C	—	66D
HX30046	3	Fast curing speed Good adhesion Good pigment wetting Good compatibility	Coatings Inks OPV-Overprint varnish		100	Clear liquid	≤3	1,000-3,000	—	81D

Polyester Acrylate

Product type	Functionality	Characteritics	Applications		Efficient content (%)	Appearance (at 25°C)	Color (Gardner)	Viscosity (CPS at 25°C)	Acid Value (mg KOH/g)	Shore
HX30026	4	Excellent yellow resitance Good wetting and fullness Good weather resistance	Wood coatings White coatings VM coatings Screen inks		100	Clear liquid	≤1	8,000-15,000	≤8	81D
HX30027	4	Good wetting Good leveling and fullness Good toughness Low-yellowing Good water resistance UV-Odorless	Large area spraying for plastics Wood coatings VM coatings Inks		100	Clear liquid	≤1	1,000-3,000	≤15	83D
HX30028	4	Halogen free Low odor, no irritation Good leveling and wetting Good adhesion Good bolling water resistance Low-yellowing	Coatings in automotive interior Plastic coatings Wood coatings(Solvent-free spraying, Roller,Curtain) Inks		100	Clear liquid	≤250 (APHA)	100-600	≤13	82D
HX30029	4	Good adhesion Good pigment wetting Good solvent resistance	Offset ink Improved adhesion		100	Clear liquid	≤10	3,000-4,500 @60°C	—	66D
HX30037	4	Fast curing speed Good pigment wetting Good adhesion Good compatibility	Paste Offset ink Flexo inks		100	Clear liquid	≤10	20,000-30,000	—	76D
HX30047	4	Fast curing speed Good toughness Good scratch resistance Low-yellowing	Wood coatings Plastic coatings Inks OPV		100	Clear liquid	≤80 (APHA)	3,000-7,000	≤5	80D
HX30030	6	Good leveling and fullness Good toughness Good abrasion resistance Good bolling water resistance Good pigment wetting	VM topcoat Coatings(Plastic,Wood,PVC etc.)		100	Clear liquid	≤100 (APHA)	1,400-2,600	≤2	82D
HX30031	6	Fast curing speed Good leveling and fullness Good abrasion resistance	VM topcoat Coatings(Plastic,Wood,PVC etc.)		100	Clear liquid	≤1	1,600-3,200	≤28	80D
HX30032	6	Fast curing speed Good leveling and fullness Good abrasion resistance	VM topcoat Coatings(Plastic,Wood,PVC etc.)		100	Clear liquid	≤150 (APHA)	1,400-3,500	≤3	93D
HX30033	6	Fast curing speed Good toughness Good compatibility	VM topcoat Coatings(Plastic,Wood,PVC etc.)		100	Clear liquid	≤3	700-1,600	≤2	83D
HX30048	6	Fast curing speed Good stability	Inks Coatings		100	Clear liquid	≤150 (APHA)	500-1,400	—	91D

Polyester Acrylate

Product type	Functionality	Characteritics	Applications		Efficient content (%)	Appearance (at 25°C)	Color (Gardner)	Viscosity (CPS at 25°C)	Acid Value (mg KOH/g)	Shore
HX30034	8	Halogen free Low odor, no irritation Good leveling and wetting High hardness Good bolling water resistance Low-yellowing	Coatings in automotive interior Plastic coatings Wood coatings(Solvent-free spraying, Roller,Curtain) Inks		100	Clear liquid	≤300 (APHA)	800-3,200	≤13	84D

Amine Modified Special Acrylate

Product type	Functionality	Characteritics	Applications		Efficient content (%)	Appearance (at 25°C)	Color (Gardner)	Viscosity (CPS at 25°C)	Acid Value (mg KOH/g)	Shore
HX50004	2	Fast curing speed Good flexibility Good adhesion	Coatings Inks Nail Polish Adhesives		100	Clear liquid	≤100 (APHA)	800-2,600	—	75A
HX50028	2.5	Fast curing speed, especially at the surface Light color Good stability	Coatings Inks		100	Clear liquid	≤300 (APHA)	1,500-5,000	—	80A/37D
HX50005	2.5	Fast curing speed, especially at the surface Light color Good stability	Coatings Inks		100	Clear liquid	≤3	20-40s 4#cup	—	—
HX50006	2.5	Fast curing speed, especially at the surface Light color Good stability	Coatings Inks		100	Clear liquid	≤300 (APHA)	70-120	—	28D/68A
HX50007	—	Fast curing speed, especially at the surface Light color Good stability High gloss	Coatings Inks		100	Clear liquid	≤300 (APHA)	20-40	—	—
HX50009	3	Fast curing speed, especially at the surface High hardness Good stability	Coatings Inks		100	Clear liquid	≤3	100-300	—	25A
HX50022	4	Good stability Low-yellowing	Coatings Inks		100	Clear liquid	≤300 (APHA)	400-1,000	—	70D

Special Acrylate

Product type	Functionality	Characteritics	Applications		Efficient content (%)	Appearance (at 25°C)	Color (Gardner)	Viscosity (CPS at 25°C)	Acid Value (mg KOH/g)	Shore
HX50025	2	Good adhesion on MDF Good flexibility Good compatibility	Wood coatings		100	Clear liquid	≤150 (APHA)	300-1,200	<13	84D
HX50026	2	Fast curing speed Good toughness Wire drawing is not easy to break High temperature reduces viscosity quickly	Wire drawing adhesive		100	Clear liquid	≤100 (APHA)	8,000-30,000 @60°C	—	78D
HX50003	3	Good leveling Low-yellowing Good toughness Good water resistance	Large area spraying coatings 3C coatings		100	Clear liquid	≤1	1,200-3,200 @60°C	<3	67D
HX50027	4	Cost-effective Fast curing speed Good adhesion Delicate and smooth feeling	Suitable for spraying excimer lamp production		100	Milky liquid or semi-permeable liquid	≤2	800-1,700	—	78D
HX50001	5	Good leveling Fast curing speed Good scratch resistance Good adhesion	Large area spraying coatings 3C coatings		100	Clear liquid	≤1	2,600-4,000	<3	86D
HX50002	6	Fast curing speed High hardness Good leveling Good scratch resistance Low-yellowing	Large area spraying coatings 3C coatings		100	Clear liquid	≤1	1,400-3,200 @60°C	<3	85D

A Full Acrylic Oligomer

Product type	Characteritics	Applications		Efficient content (%)	Appearance (at 25°C)	Color (Gardner)	Viscosity (CPS at 25°C)	Acid Value (mg KOH/g)	Shore
HX50010	Good adhesion Good compatibility Cost-effective	Coatings(Paper,Wood,Plastic,Metal,PVC etc.) Primers on wood		100	Clear liquid	≤100 (APHA)	1,400-2,800	≤10	97A
HX50011	Good adhesion Good chemical resistance	Coatings(Paper,Wood,Plastic,Metal,PVC etc.) Primers on wood		100	Clear liquid	≤1	1,800-4,200	<3	92A
HX50012	Excellent adhesion High hardness Cost-effective	Nail polish base coat Good adhesion to all kinds of film materials		100	Clear liquid	≤150 (APHA)	2,800-4,600 @60°C	≤4	30D

Adhesion promoter

Product type	Appearance (at 25°C)	Characteritics	Applications		Efficient content (%)	Solvent	Viscosity (CPS at 25°C)	Acid Value (mg KOH/g)	Adding Amount
HX50013	Light yellow liquid	Improve excellent adhesion on substrates Cost-effective	Widely used for adhesion enhancement at multiple interfaces		100	—	2,400-5,600	280-320	0.3-1.5%
HX50014	Light yellow liquid	Low viscosity Good chemical resistance Improve excellent adhesion on substrates	Widely used for adhesion enhancement at multiple interfaces		100	—	200-300	140-170	0.3-1.5%
HX90001	Light yellow liquid	Good compatibility Improve excellent adhesion on substrates Improve interlayer adhesion Anti-silver effect	UV coating PU coating Solvent-based coating		60	BAC\TOL	—	26-28	0.5-2%

Mercaptan

Product type	Appearance (at 25°C)	Characteritics	Applications		Efficient content (%)	Color (APHA)	Viscosity (CPS at 25°C)
HX50015	Clear liquid	Providing better surface cure Good compatibility Good storage stability Improve the curing speed of the system	UV LED, UVA, or low energy curable systems Nail polish topcoat		100	≤500 (APHA)	400-2,000
HX50016	Clear liquid	Fast curing speed Good compatibility Good storage stability Improve the curing speed of the system	UV LED, UVA, or low energy curable systems Crystal clear glue for casting&coating		100	≤200 (APHA)	25-100
HX50017	Clear liquid	Fast curing speed Good compatibility Good storage stability Improve the curing speed of the system	UV LED, UVA, or low energy curable systems Crystal clear glue for casting&coating		100	≤100 (APHA)	300-400
HX50020	Clear liquid	Improve the curing speed of the system Excellent stability Low odor	Coatings Inks Adhesives		100	≤100 (APHA)	300-1,000
HX50029	Clear liquid	Excellent stability Low odor	Coatings Inks Adhesives		100	≤80 (APHA)	300-600

Leveling & Wetting Agent

Product type	Chemical Description	Appearance (at 25°C)	Characteritics		Applications	Efficient content (%)	Solvent	Density (g/ml)	AddingAmount
HX90002	Polyether modified polydimethylsiloxane	Clear liquid	Excellent substrate wetting Anti-cratering Improves leveling and gloss Good surface smoothness Good scratch resistance Prevent sticking		UV coating PU coating Solvent-based coating	100	—	1.05	0.1-0.5%
HX90003	Polyether modified polysiloxane	Clear liquid	Anti-cratering Anti-cratering Good surface smoothness Good scratch resistance Prevent sticking		UV coating PU coating Solvent-based coating	100	—	1.1	0.1-0.5%
HX90004	Acrylic reactive fluorocopolymer	Clear liquid	Reactive photocuring leveling agent Low surface tension Good wetting, dispersing and leveling Recoatibility		UV coating PU coating Solvent-based coating Metal paint	100	—	1.15	0.01-0.3%
HX90005	Polyether modified silicone surface additive	Clear liquid	Excellent substrate wetting Anti-cratering Improves leveling and gloss Good scratch resistance Recoatibility		UV coating PU coating Paint	100	—	1.05	0.1-0.8%
HX90006	Reactive acrylate modified polyether siloxane	Clear liquid	Excellent anti-cratering Improve leveling Long-lasting slipperiness		UV coating PU coating	100	—	1.25	0.1-0.5%

Wetting & Dispersing Agent

Product type	Chemical Description	Appearance (at 25°C)	Characteritics		Applications	Efficient content (%)	Solvent	Density (g/ml)	AddingAmount
HX90007	High molecular block copolymer	Clear liquid	Wide compatibility with various resins Good inorganic , organic pigments and matting powder wetting		UV coating PU coating Solvent-based coating Architectural coating	100	—	1.02	Titaniumdioxide:3-5% Carbonblack:50-70% Inorganicpigment:10-15%

Leveling & Wetting Agent

Product type	Chemical Description	Appearance (at 25°C)	Characteritics		Applications	Efficient content (%)	Solvent	Density (g/ml)	AddingAmount
HX90008	Special silicone modified polymer	Clear liquid	Super dry touch feeling Good transparency Long lasting touch feeling Eliminate sweat Improve the scratch resistance and wear resistance Improve gloss & leveling Good orientation for matting powder		UV coating PU coating Solvent-based coating Soft-touch coatings Furniture matt coating	100	—	1.05	0.05-1.0%
HX90009	Acrylic reactive fluorocopolymer	Clear liquid	Improve the anti-sticking properties Good compatibility of various systems Super delicate feeling Improve the scratch resistance Improve gloss & leveling Anti-cratering Promote wear resistance		UV coating PU coating Solvent-based coating Soft-touch coatings High gloss coating	100	—	1.15	0.05-1.0%