



Nagase Screen Printing Research Co., Ltd.

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INK LIST

solvent-type ink

※ The results of the list below are obtained by our tests. Before using it, please make sure to conduct a preliminary test in order to confirm suitability.

Ink	Finish	Type	Additive	Application	condition for drying	Diluted by	Description
VINIEIGHT PLUS	semi-gloss	evaporation	—	acryl, PVC, ABS, plastic	20°C x 24h	NGS	Good printability Good physical properties
EIGHT-SPECIAL PLUS	matt	evaporation	—				Slow drying type of VINIEIGHT PLUS
EIGHT PLUS SERIES	according to ink	two-component	FUJIRON enhancer 5~10%	ABS, coating surface			Improved adhesion to materials which is difficult to adhere
M-AXE	semi-gloss	evaporation	—	PC, acryl, PVC	20°C x 24h	EIGHT or NGS	
MPX	semi-gloss	evaporation	—	PC, PS, acryl, PVC	20°C x 24h	MPX	For materials which is easy to get cracks such as PC and PS
ABS	gloss	evaporation	—	ABS	20°C x 24h	NGS	Good adhesion to ABS
FUJIRON	gloss	evaporation	—	PET, rigid PVC	20°C x 24h	EIGHT or NGS	Good printability Good physical properties
		two-component	FUJIRON enhancer 5~10%	anodized coating, FRP, PPO, copper, metal coating, PP			High film hardness Possible to adhere to materials which is difficult to adhere and get high density
		two-component and baking	Nylon enhancer 60-CX 5~20%	6 Nylon, 66 Nylon	150°C x 20min		Good solvent resistance
FUJIRON SPECIAL	gloss	evaporation	—	PET, rigid PVC	20°C x 24h	EIGHT or NGS	Highly flexible type of FUJIRON Good adhesion
		two-component	CLARINO enhancer 5~10%	synthetic leather	80°C x 40min or 20°C x 24h		Highly flexible
NMS-A	gloss	two-component	K-37B hardener 5~10%	nylon, synthetic leather, etc.	80°C x 40min or 20°C x 24h	EIGHT or NGS	Highly flexible Good adhesion to water-repellent products
AAA	matt	evaporation	—	paper, wood, non-woven fabric, polystyrene foam	20°C x 24h	AAA	Good printability Vivid color



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Ink	Finish	Type	Additive	Application	condition for drying	Diluted by	Description
POP'N	semi-gloss	evaporation	—	treated / non-treated PP	20°C x 24h	NGS	Good adhesion to PP Environmentally friendly
PE-ACE	gloss	two-component or baking	PE-ACE hardener 5%	treated PE, treated PP, anodize, metal plated	70~90°C x 30min	NGS	Good chemical resistance Suitable for anodized and plated surface
GUM	matt	evaporation	—	Nylon, knitted fabric, rubber (need to test), elastomer (need to test)	20°C x 24h	EIGHT or NGS	Good adhesion to rubber It can be used in combination with PREP P
FRESH	matt	evaporation	—	EVA rubber, other rubbers	20°C x 24h	EIGHT or NGS	Due to thickening at low temperature, warming in hot water is required before using it.
RUBBER	gloss	two-component	RUBBER hardener resin (main 4 : additive 6)	rubber (need to test)	20°C x 24h	(EIGHT) or (NGS)	Wide range of adhesion to rubber Forced drying is not appropriate
SG	gloss	baking	—	silicon rubber, aluminum	150°C x 40min	not necessary	Good adhesion to silicon rubber
R-HEAT	gloss	two-component and baking	R-HEAT hardener 5%	glass, metal, ceramic, coating surface	180~200°C x 60min	NGS (slow drying)	High heat resistance, max. 300°C Color: white, black, medium
MERITON	matt	two-component	MERITON G hardener 1~5% MERITON MT hardener 3~10%	aluminum, stainless steel, metal coating surface, glass	130°C x 30min or 20°C x 48h (with G enhancer) 20°C x 24h (with MT enhancer)	EIGHT or NGS	Improved adhesion by baking and aging
GLASS	gloss	two-component	GLASS hardener resin (main 7 : additive 3)	glass, aluminum, metal coating surface, treated PP, treated PE	100~120°C x 20min or 20°C x 36h	EIGHT	Good chemical resistance and wear resistance
HIKYD	gloss or Matt	baking	—	aluminum, metal, melamine, coating surface	180°C x 20min or 150°C x 20min in case of printing on the top of layer	EIGHT or NGS	Excellent film hardness, solvent resistance, aging resistance, weather resistance
VISTAR	gloss	baking	—	aluminum, metal, melamine	140°C x 30min	EIGHT	Good printability, chemical resistance, weather resistance



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UV curing ink

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Series	Name	Finish	Color range	Application	Description
A-1 CURE	A-1 DTH	semi-gloss	17	various metal coating surfaces (need to use additives), PS, PMMA, PC, ABS, hard PVC	The widest range of adhesion in A-1 series
	A-1 DTH	semi-gloss	5		For color separation of A-1 DTH
	A-1 DM, DMS	semi-gloss	17	hard PVC, ABS, AS, other plastic products	High film hardness DM: non-silicon, DMS: with silicon
	A-1 FK	gloss	17	hard / soft PVC, ABS, AS, other plastic products	Wide range of adhesion
A-Z CURE	A-Z	gloss	17	PET film, PC, hard / soft PVC, paper	Good adhesion for treated / non-treated PET Good flexibility
	A-Z (for color separation)	gloss	5		For color separation of A-Z
	A-Z DAE	semi-gloss	only medium	paper, PET	For thick printing Good thixotropy
OTHERS	UV HARD COATING	gloss	only clear	PMMA	For overcoating Good chemical resistance and solvent resistance
	TO-393 1/3 medium	gloss	only clear	paper, hard PVC	For OP varnish Good flexibility



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functional ink

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Classification	Name	Description	Scale of particle	plate (mesh)
decorative ink	CIVO PLUS CLEAR	For acryl, PVC and ABS Matt clear ink with soft texture. It is resistant to scratches and fingerprints, and it does not smudge even when written with a pen.	13~14μm	270 and less
	CIVO PLUS M CLEAR	Fine particle type of CIVO PLUS CLEAR	7~8μm	300 and less
	other CIVO series	CIVO-PET (For polyester) CIVO-PC (For polycarbonate) CIVO-AL (For metal. Baking type)	13~14μm	270 and less
	VINIEIGHT PLUS BEADS LIGHT	Product in which "BEADS" are mixed into ink in advance For acryl, PVC, ABS Color: medium, red, orange, yellow, 8G yellow, 2RL yellow, green, blue	35~53μm	250 and less
fluorescent ink	FLUORESCENT INK	VINIEIGHT PLUS: white, red, pink, red-orange, orange, yellow-orange, yellow, blue, green AAA: white, red, pink, red-orange, orange, yellow-orange, yellow, blue, green	3.5~4.5μm	300 and more



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functional pigments and others

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Classification	Name	Type	Description	Average scale of particle	plate (mesh)	Additives amount (main agent: 1)
aluminum paste	SILVER COLOR PASTE	paste	leafing type	18μm	300 and less	10~20%
	SILVER COLOR PASTE NL66	paste	non-leafing type	15μm	300 and less	10~20%
	ALUMINUM PASTE BR	paste	non-leafing type	28μm	250 and less	10~20%
	ALUMINUM PASTE RC17	paste	coating type	17μm	270 and less	10~20%
	ALUMINUM PASTE RC30	paste	coating type	30μm	225 and less	10~20%
bronze powder	IMMUTABLE BRONZE POWDER (red-bronze and blue-bronze)	powder	Special coating prevents discoloration	25μm	300 and less	3~20%
pearl color pigment	PEARL Ti 100	powder	pearlescent (mica)	10~60μm	250 and less	20~30%
decorative pigment	BEADS (BEADS GLASS)	powder	Perfectly spherical glass bead It can be used for reflective sheets and stickers.	35~53μm	250 and less	140~160%
fluorescent pigment	FLUORESCENT PIGMENT	powder	Color: white, red, pink, red-orange, orange, yellow-orange, yellow blue, green	3.5~4.5μm	270 and less	50~60%
forming agent	SV FORMING AGENT	powder	Additive which forms when it is heated after printed Available in both solvent and water-based type Heating: 140°C x 60~120 sec.	5~30μm	270 and less	5~20%



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liquid additives and subsidiary materials

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Classification	Name	Type	Description	Additives amount (main agent: 1)
anti-forming leveling agent	SILICONE	liquid	Highly versatile deforming / leveling agent	0.01~1%
	SILICONE 5x SOLUTION	liquid	Diluted type of silicone It prevents addition errors.	0.05~2.5%
	SILOX ADDITIVE	liquid	Silicone anti-forming agent for VINIEIGHT PLUS	0.5~4.0%
primer	PREP P	liquid	Improved adhesion of non-proceeded PP Environmentally friendly product	—
brightening additive	OB SOLUTION	liquid	Adding a small amount of it to white ink improves purity.	2~3%
anti-static agent	DENTRE	liquid	High antistatic effect when applied to the base material Prevent the adhesion of whiskers and duct.	—
cleaning solvent	SOLVENT KAC	liquid	Excellent cleaning agent for screen plate	—