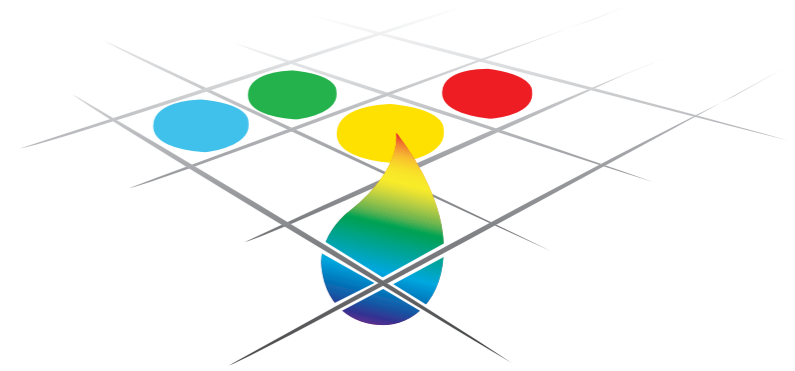


M95G981 E - Marzo 2007



**Screen
Printing Inks**



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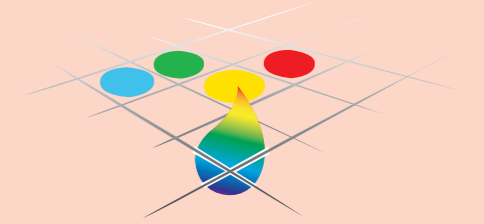
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**Think
in colour**

Screen Printing Inks



IT'S A MATTER OF FEELING !

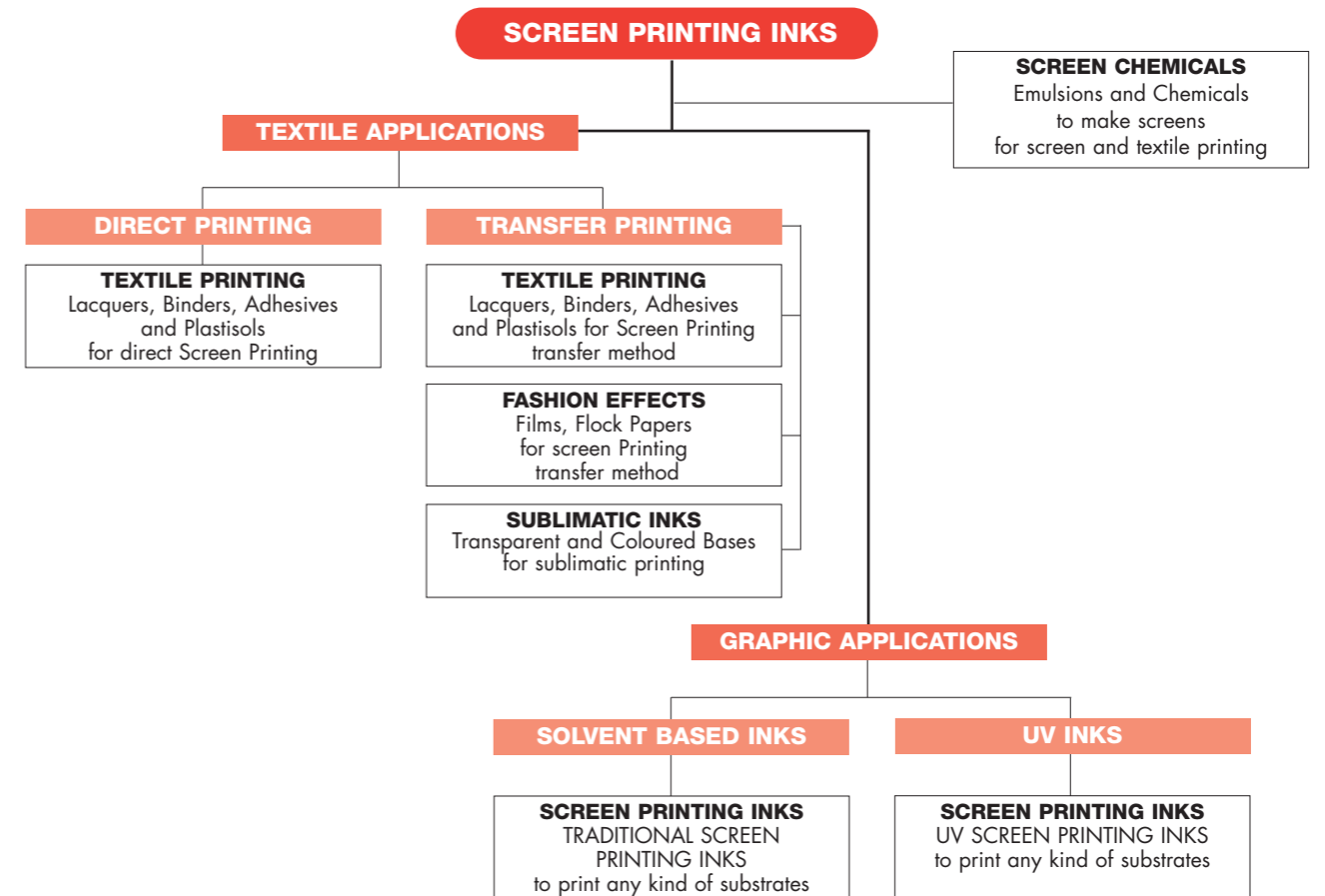
The screen printing, an extremely ancient printing technique, encounters front line fields like the graphic one, thus combining tradition with modern and refined technologies, as to comply with any kind of request and assistance, often anticipating the market's requirements.
This range has been originated from KIIAN S.p.A.'s deep knowledge and is still a Screen Printing "pioneer":

- **TRADITIONAL SOLVENT BASED AND UV INKS**
- **OVERPRINTING VARNISHES**
- **AUXILIARY PRODUCTS**



SCREEN PRINTING INKS ACCORDING TO KIIAN SPA

Thanks to the synergy of our Research Teams, it has been possible to study "Solutions" to achieve the result accuracy and to improve the Industrial Process through the right choice of products combination.



Screen Printing Inks



TRADITIONAL SOLVENT BASED AND UV INKS

The confidence in results is based on a deep knowledge of processes and variables, which determine the Screen Printing Process. The tradition of our brand in Screen-printing world is the evidence of this.

In our Research Labs we have wittingly elaborated our own knowledge making a complete range of Solvent Based inks which satisfy every printing need.

Inks Division means Tradition and Innovation. This is the dualism which characterizes our reality and allows us to face with passion and determination UV world.

In our Research Labs we have studied and developed a complete UV inks range to give a comprehensive answer: from common applications up to the niches!

OVERPRINTING VARNISHES

Screen-printing is a fascinating and complex world that comprehends multiple applications. At the top of this field there are the overprinting varnishes. The market presents various supports and applications, imposing high tech products as those included in our production range.

COMPATIBILITY BETWEEN INKS AND SUBSTRATES																									
SUBSTRATES			Acrylonitrile Butadiene Styrene	Acrylonitrile Styrene Acrylate	Cellulose Acetate	Cellulose	Wood	Epoxy Resins	High Density Poly Ethylene	Low Density Poly Ethylene	Melamine Formaldehyde	Metal	Polyamide	Polyester	Polycarbonate	Polyethylene Terephthalate]	Polyethylene Terephthalate glicole	Phenolic Resins	Polymethyl-methacrylate	Polypropylene	Polyurethane	PolyVinyl Chloride	Polystirene	Acrylonitrile Styrene	Glass
CLASS	INKS SERIES	FINISH	ABS	ASA	CA	CAB	LEG	EP	HDPE	LDPE	MF	MET	PA	PES	PC	PET	PETG	PF	PMMA	PP/OPP	PU	PVC	PS	SAN	
SOLVENT	ACRILUX 48.000	L																							
	CARBOGLOSS 26.000	L	●	●			●	●							●	●	●					●	●	●	●
	CELLOFLEX M 20.000	SL			●	●	●	●				●											●	●	●
	ECOPOSTER 66.000 M	S				●																			
	EPOXSER	L						●	●	●	●	●						●		●					●
	HI-GLOSS 35.000	L	●	●	●															●			●	●	●
	ONDAFLUTE 85.000	SL					●		●	●											●		●	●	●
	POSTERFAST 63.000	S			●																				
	SERIPOXY 90.000	L							●	●	●	●							●		●				●
	THERMOPLUS 49.000	L	●	●												●				●			●	●	●
	TEXYLON 58.000	S											●									●		●	●
	VINILFAST 36.000	SL	●	●																			●	●	●
	VINILFLAT 38.000	OP	●	●		●	●													●			●	●	●
VINYLGLO 72.000	OP	●	●		●																	●	●	●	
UV	DURAFLEX 106.000	L	●	●								●										●	●	●	●
	NOVACURE M 39.000	L						●	●	●											●				
	THERMOFORM M 101.000	L	●	●											●	●	●		●				●	●	●
	UNIFAST 32.000	L	●	●		●	●																●	●	●
	UNIFLUTE 120.000	L	●	●				●	●														●	●	●
UNIPRINT 104.000	L	●	●		●	●					●											●	●	●	

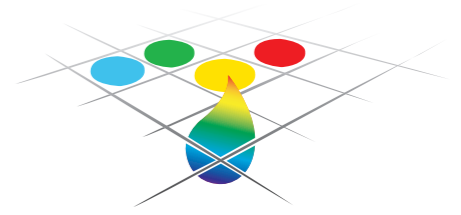
LEGEND
L = GLOSS OP = MATT S = SATIN SL = SEMI GLOSS MET = METALLIZED

NOTES
We suggest to make tests before printing in order to verify the effective compatibility between inks and substrate. In some cases indicated in the table, the compatibility requires a pre-treatment of the substrate with flam or corona discharge. More details are indicated in the specific Technical data sheets of each ink.

OVERPRINTING VARNISHES																		
PRODUCT	FINISH		SUBSTRATES											SPECIFICATIONS				
	GLOSS	MATT	Acrylonitrile Butadiene Styrene	Acrylonitrile Styrene Acrylate	Cellulose	Polyester	Polycarbonate	Polyethylene Terephthalate	Polyethylene Terephthalate glicole	Polymethyl-methacrylate	Polypropylene	PolyVinyl Chloride	Polystirene	Application Tape	DEFINITION	THERMOFORMING	COVERAGE	SUGGESTED EMULSIONS
			ABS	ASA	CAB	PES	PC	PET	PETG	PMMA	PP	PVC	PS	AP				
INSTACURE	●				●							●		●			80 sqm/kg	DUAL SV PLUS
POLIKAST 39.895	●				●						●				5		80 sqm/kg	DUAL SV PLUS
POLIKAST 39.891	●				●						●				5		80 sqm/kg	DUAL SV PLUS
POLIKAST 39.894	●	●			●						●				5		70 sqm/kg	DUAL SV PLUS
THERMOFORM 101.890M	●		●	●		●	●	●	●	●			●		5	●	80 sqm/kg	DUAL SV PLUS
UNIPRINT THICKNESS 104.044	●				●							●			5		60 sqm/kg	DUAL SV PLUS



Screen Printing Inks



TRADITIONAL SOLVENT BASED AND UV INKS



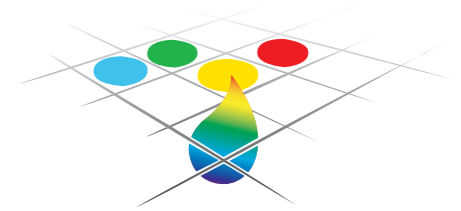
SCREEN PRINTING INKS - TECHNICAL SPECIFICATIONS																				
CLASS	SERIES	FINISH	SPECIFICATIONS											FASTNESS				ENVIRONMENTAL IMPACT		Suggested emulsions ZERO-IN range
			PRINTABILITY	STABILITY IN THE SCREEN	DRYING	OPACITY	FLEXIBILITY	COVERAGE		DEFINITION	OVERPRINTING	THERMOFORMING	DIE-CUTTING	OUTDOOR RESISTANCES	ALCOHOL AND GASOLINE	DOMESTIC DETERGENTS	RUBBING FASTNESS	HDDA FREE	NVP FREE	
								Screen with Thread Number [Th./cm]	Sqm per unit of measurement											
SOLVENT	HI-GLOSS 35.000	L	5	5	4	4	4	120.34 PW	50 - 60	5	●	●	4	4	3	5			SRV SV PLUS	
	VINYL-GLO 72.000	OP	4	4	5	2	4	100.34 PW	30 - 40	5	●	●	2	4	3	4				
	VINILFAST 36.000	SL	4	4	5	4	5	120.34 PW	40 - 50	4	●	●	3	3	3	5				
	CARBOGLOSS 26.000	L	5	5	3	4	5	120.34 PW	50 - 60	5	●	●	4	3	3	5				
	THERMOPLUS 49.000	L	3	4	4	4	5	120.34 PW	40 - 50	4	●	●	5	4	3	5			SV PLUS - US	
	ACRILUX 48.000	L	3	3	4	5	5	100.34 PW	30 - 40		●	●								SV PLUS - US - SRV
	VINILFLAT 38.000	OP	5	5	5	5	4	120.34 PW	30 - 40	5	●	●	4	3	3	4				SRV - SV PLUS
	EPOXSER	L	3	3	3	4	3	100.34 PW	25 - 30	4		●	2	5	5	5				
	SERIPOXY 90.000	L	3	3	3	4	3	120.34 PW	40 - 50	4	●	●	2	5	5	5				
	ECOPOSTER 66.000 M	S	5	5	5		4	120.34 PW	30 - 40	5	●	●	2							SRV SV PLUS US
	POSTERFAST 63.000	MET	4	4	4	5	3	90.40 PW	30 - 40	4		●				1				
	CELLOFLEX M 20.000	SL	4	3	5	4	5	120.34 PW	40 - 50	4	●	●	2							
ONDAFLUTE 85.000	SL	5	5	4	4	5	120.34 PW	40 - 50	5	●	●	3	1	1	4					
TEXYLON 58.000	L	4	4	4	5	5	90.40 PW	30 - 40	4	●	●	3	3	3	3				SV PLUS - US UNIVERSAL	
UV	UNIFLUTE 120.000	L	5	5	5			150.34 PW	80	5	●	●	4	4	4	5		●		SV PLUS - US
	UNIFAST 32.000	L	5	5	5	4	4	165.34 PW	80	5	●	●	3	5	4	5	●	●		
	NOVACURE M 39.000	L	5	5	5	4	4	150.34 PW	80	5	●	●		5	5	5		●		
	THERMOFORM M 101.000	L	5	5	4	4	5	150.34 PW	80	5	●	●	4	1	1	3		●		
	UNIPRINT 104.000	L	5	5	4	4	4	150.34 PW	80	5	●	●	3	3	3	4		●		
	DURAFLEX 106.000	L				4	5					●	●	5	4	3	4		●	SRV SV PLUS US

LEGEND
 L = GLOSS OP = MATT S = SATIN SL = SEMI GLOSS MET = METALLIZED
 1 = SCARCE 2 = SUFFICIENT 3 = QUITE GOOD 4 = GOOD 5 = EXCELLENT

NOTES
 The values indicated in this table are only indicative. We always suggest to make tests in order to verify if the specifications satisfy your requirements



Screen Printing Inks



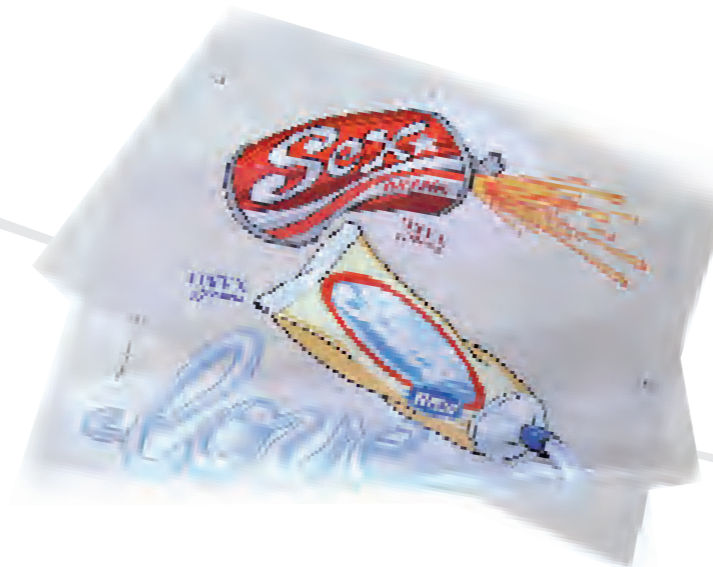
AUXILIARY PRODUCTS

AUXILIARIES FOR SOLVENT-BASED INKS																			
SERIES	FINISH	THINNER SERIES 90.000										RETARDERS SERIES 90.000		POWDERS		ADDITIVES			
		904	911 NF	913	917	918	921	922	924	925	927	931	937	998	96.000	FLUO PIGMENTI F3	CATALYST	RETARDERS	FLOW AGENTS
HI-GLOSS 35.000	L	●			●	●				●	●			●	●		●		
VINYL-GLO 72.000	OP	●			●					●	●				●		●		
METALINK 94.000	S	●			●					●	●				●		●		
VINILFAST 36.000	SL	●			●					●	●				●		●		
CARBOGLOSS 26.000	L	●		●	●					●	●				●		●		
THERMOPLUS 49.000	L				●	●	●			●	●				●		●		●
ACRILUX 48.000	L		●		●					●	●				●		●		
VINILFLAT 38.000	OP				●	●				●	●				●		●		
EPOXSER	L	●					●			●	●				●		●		●
SERIPOXY 90.000	L				●		●	●			●				●		●		●
ECOPOSTER 66.000 M	S				●				●		●				●		●		
POSTERFAST 63.000	MET				●					●	●				●		●		
CELLOFLEX M 20.000	SL			●	●			●			●				●		●		
ONDAFLUTE 85.000	SL			●	●			●			●				●		●		
TEXYLON 58.000	S		●		●			●			●				●		●		●

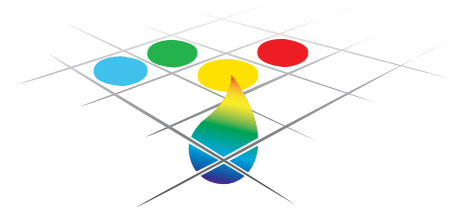
LEGEND
L = GLOSS OP = MATT S = SATIN SL = SEMI GLOSS MET = METALLIZED

AUXILIARIES FOR UV INKS																
SERIES	FINISH	THINNERS				POWDERS		ADDITIVES								
		32.900	100.900	101.901	101.900	96.000	FLUO PIGMENTI F3	CURING PROMOTER		ANTI BLOCKING	ADHESION PROMOTER					
								100.978 Liquid	100.979 Paste	100052	90908	100972	106835	120835		
UNIFLUTE	S		●			●	●									●
UNIFAST 32.000	L	●				●	●	●	●				●		●	
NOVACURE M 39.000	L		●			●	●	●	●			●				
THERMOFORM M 101.000	L			●	●	●	●	●	●							
UNIPRINT 104.000	L		●			●	●	●	●	●				●	●	
UNIPRINT SATIN 108.000	S		●			●	●	●	●	●				●	●	
DURAFLEX 106.000	L		●			●	●	●	●	●				●	●	
34.890 NF	L		●			●	●	●	●	●				●	●	
39.895 M	L		●			●	●	●	●	●				●	●	
39.891 NF	L		●			●	●	●	●	●				●	●	
39.894	O		●			●	●	●	●	●				●	●	
104.044	S		●			●	●	●	●	●				●	●	
106.890 SP	L		●			●	●	●	●	●				●	●	
102.844	TEXT		●			●	●	●	●	●				●	●	
101.890 M	L				●									●	●	
108.890	SL		●			●	●	●	●	●				●	●	

LEGEND
L = GLOSS OP = MATT S = SATIN SL = SEMI GLOSS
MET = METALLIZED TEXT. = TEXTURIZED



Screen Printing Inks



SPEAKING ABOUT DECALS ...

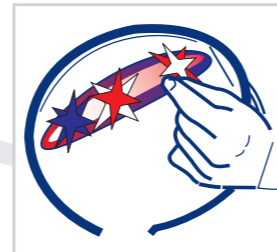
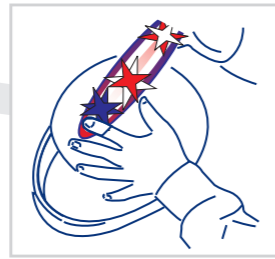
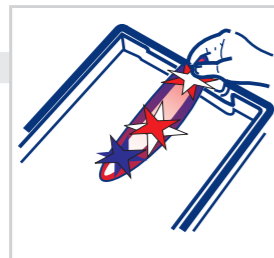
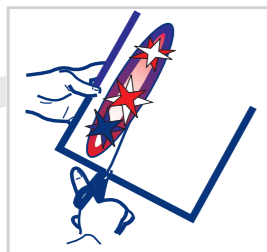
In Kiiian's Research Lab we have developed a series of products and auxiliaries fully dedicated to decals thanks to a strict collaboration with the most well-known international brands which used this technology.

Water slide decals is an indirect decoration system used when direct printing can hardly or ineffective be done like in the helmets decoration process.



DIFFERENT PRODUCTS PLAY A DECISIVE ROLE INTO THE PROCESS TO ACHIEVE BEST RESULTS AS:

- Colloidal paper.
- The inks: **Texylon 58000 serie expressly** studied and developed to adjust to the printing process.
- **Peelable Colloid and Fix Colloid:** protective transparents to use according with the chosen printing process.



DECALS

THERMOFORM

THERMOFORMING

Thermoforming is the process to mould thermoplastic sheets and films in different thickness even very thin.

The process is lead working under pressure or vacuum and it is commonly used to realize: signs and display, helmets, POP display and more than this.



In our Research Lab we have studied and developed a specific ink having outstanding feature: **THERMOFORM M** ink can be used to print a lot of substrates as PVC, PETG, PS, PC, thanks to an accurate and complete range.

THERMOFORM M MAIN FEATURES ARE:

- High light fastness: outdoor resistance up to 3 years.*
- The ink assures no-yellowing and colour constancy after thermoforming.
- During thermoforming it allows a pull up to 300%.

* only in case of window transparency

