



Reference Chart:

UV - Pad Printing Inks Adhesion onto Substrates

		Groupe C					
System >	UV - Ink.	UV - Ink.	UV - Ink.	UV - Ink.	UV - Ink.	UV - Ink.	
Ink ref. >	TPC 750	TPC 760	TPC 770	TPC 780	TPC 790	TPC 860	
Puv mJ/cm ² >	500 ... 1000	750 ... 1500	500 ... 2000	500 ... 1000	500 ... 1000	2000	
SUBSTRATE →	Specials >	Varnish	PP - Ink			versatile	versatile
Polyolefine							
pretreated polyethylene	PE		(+)	o		+	++
pretreated polypropylene	PP		+++	+		++	++
Thermoplasts							
Styrene	PS / SB		+++	o	+++	++	++
Styrene-polymerisate	ABS	+++	++	o	+++	+++	++
"	SAN		++	o	+++	+++	++
"	ASA		++	part. +	++	++	++
Linear Polyester	PET-A, E, P		++	+		++	
	PET-G		++	++		++	
Polyvinylchloride	PVC hard		+++	part. +	+++	+++	++
	PVC soft	+++	o	o			++
Polyacrylate Compounds	PAN						
Polymethylmethacrylate	PMMA	+++	pretr. ++	+	o / ++	o / ++	
Polymethacrylate Comp.	AMMA, MBS				o / ++	o / ++	
Polybutylenterphthalate	PBTP		pretr. +	o		+ / ++	
Polycarbonate	PC	+++	++	++	+++	+++	++
Polyamide	PA		pretr. +	o		+++ / ++	
Polyurethane	PUR						
Cellulose Acetate	CA						
Cellulose Acetobutyrate	CAB						
Polyoxide							
Polyoxymethylene	POM / POM-C		o	o		o	
Thermosets							
Thermosets (general)				++			++
Phenoplasts	MPF / PPO						++
Aminoplasts							++
Ferrous Metals							
stainless steel	V2A, V4A			+			+
steel / iron	Fe			++		++	++
Non-ferrous Metals							
Alu, oxidised/brushed	Al			++		++	++
plated chrome	Cr			o		o	++
copper	Cu					++	++
brass	MS					++	++
nickel / plated nickel	Ni						+
tin / plated tin	Sn				+	+	
zinc / plated zinc	Zn						
Lacquered Surfaces							
1-component lacquer				++	+	+	
2-component lacquer				++			
UV-lacquer	(CD 's)			+		+	
Powder lacquer				++			
Other Materials							
glass, ceramics	part. enamelled					o	++
uncoated wood							++
paper / cardboard							++
keyboards/golfballs	acc. to surface	+++					
Elastomers							
untreated rubber	rubber						
Thermoplastic elastomers	misc. TPE			part. +		part. ++	
Please read the technical data sheets on the respective pad printing inks and additives.							
All information is based on laboratory tests in conjunction with practical experience and daily usage.							