



Reference Chart: Adhesion onto Substrates

Group >	A	A	A	A	A	Group >	B	B	B	B	B	B	B	B		
System >	1-comp. ink	1-comp. ink	1/2-comp. ink	2-comp. ink	2-comp. ink	System >	1-comp. ink	1/2-comp. ink	1/2-comp. ink	2-comp. ink	2-comp. ink	2-comp. ink	2-comp. ink	1-comp. ink		
Ink ref. >	TPC 118	TPC 128	TPC 528	TPC 508	TPC 558	Ink ref. >	TPC 140	TPC 180	TPC 311	TPC 200	TPC 230	TPC 250	TPC 261	TPC 460		
SUBSTRATE	Special >		poly-prop. ink	general purpose		rubber/elast.	SUBSTRATE		general purpose	general purpose		increased resist.	ink for glass		stoving system	
Polyolefine																
Pre-treated Polyethylene	PE	++		1-c +/2-c ++	(++)		PE		+++	++	(++)	(++)		(++)		
Pre-treated Polypropylene	PP	++	+++	1-c +/2-c ++	(++)		PP		+	1-c +PP/2-c +	(++)	(++)		(++)		
Thermoplaste																
Polystyrene	PS / SB	+++ (VP)	++	2-comp. = ++	(++) (VP)		PS / SB	+++	++	+	+	(++)				
Styrene	ABS	+++ (VP)		1-c ++/2-c ++	(++) (VP)		ABS	+++	++	++	++	(++)				
	SAN	+++ (VP)		1-c +/2-c ++	(++) (VP)		SAN	+++	++	++	++	(++)				
Linearized Polyester	PET			1-c +/2-c ++			PET			1-c +/2-c ++	(++)	(++)				
	PET-A, -E, -P			1-c +/2-c ++	(++)		PET-A, -E, -P			1-c +/2-c ++	(++)	(++)				
	PET-G	++		1-c ++/2-c ++	(++)		PET-G			1-c +/2-c ++	(++)	(++)				
Polyvinylchloride	rigid PVC	+++		1-c ++/2-c ++	(++)		rigid PVC	+++	++	++		(++)				
	flexible PVC	++		1-c + / 2-c +			flexible PVC	+++								
Cross-linked Polyacrylate	PAN						PAN		++	1-c ++/2-c ++				++		
Polymethylmethacrylate	PMMA	+ / ++		1-c +/2-c ++	(++)		PMMA	++	++	1-c ++/2-c ++	(++)	(++)		(++)		
Cross-linked Polymethacrylate	AMMA / MBS			1-c +/2-c ++	(++)		AMMA / MBS		++	1-c ++/2-c ++	(++)	(++)		(++)		
Polybutylenterphthalate	PBT			1-c ++/2-c ++	++		PBT									
Pre-treated Polyester		+ / pre-tr.++	+ / pre-tr.++	1-c ++/2-c ++	+ / vorb.++	(++)			2-comp. = +	2-comp. = ++	++	++		++	++	
Polycarbonate	PC	++	++	1-c ++/2-c ++	(++)		PC	++	++	2-comp. = ++		(++)		(++)	++	
Nylon	PA			1-c + / 2-c +	+++		PA			2-comp. = ++	2-comp. = ++	++	++	++	++	
Polyurethane	PUR			2-comp. = +		++	PUR			2-comp. = +	2-comp. = ++	++	++	++	++	
Celluloseacetate	CA	++	++	1-c ++/2-c ++	++		CA	++		++	++					
Celluloseacetobutyrate	CAB	++		1-c ++/2-c ++	++		CAB	++		+	++					
Polyoxide -> flamed																
Polymethylenoxyde / Polyacetal	POM				++		POM			2-comp. = +		++			++	
	POM-C				++		POM-C			2-comp. = +		++			++	
Thermosets																
Thermosets, all					++	(++)	spec. onto IC			2-comp. = +		++	++	++	++	+++
Phenols	MPF / PPO			1-c +/2-c ++	++	(++)	MPF / PPO			2-comp. = +		++	++	++	++	+++
Aminoplaste				1-c +/2-c ++	++	(++)				2-comp. = +		++	++	++	++	+++
Fe-metals																
Rust free steel	V2A, V4A				+ / ++		V2A, V4A							+ / ++		
Steel / iron	Fe			2-comp. = +	++	(++)	Fe			2-comp. = +	2-comp. = +	++	+	++	+	+++
Non ferrous-metals																
ALU, oxidised, brushed	Al			5:1HM=+++	++	(++)	Al			2-comp. = +	2-comp. = +	+	++	++	++	+++
Chrome / plated	Cr			2-comp = +	++	(++)	Cr					+	+	++	++	+++
Copper	Cu			2-comp = +	++	(++)	Cu					+	+	++	++	+++
Brass	Brass			2-comp = +	++	(++)	Brass					+	+	++	++	+++
Nickel / plated	Ni			2-comp = +	++	(++)	Ni					+	+	++	++	+++
Tin / plated	Sn			2-comp = +	++	(++)	Sn					+	+	++	++	+++
Zinc / plated	Zn			2-comp = +	++	(++)	Zn									
Lacquered surfaces																
1-component-lacquer		++		2-comp = ++	+	(++)		++		1-c ++/2-c ++	1-c ++/2-c ++	++	++		++	+++
2-comp.-/UV-/Powder lacquer				2-comp = ++	+	(++)				2-comp. = ++		+	+			+++
Other materials																
Glass, ceramics	somet. enamelled				20:1HV=+++	+	somet. enamelled					+		20:1HG=+++	+	++
Wood, uncoated		++	++	++	(++)	(++)		++	++	++	++					
Paper / board		++	++	++	(++)	(++)		++	++	++						
Leather / man-made leather				+						++	++				+	
Elastomers																
Untreated rubber	Rubber					+	Rubber			2-comp. = +						
Thermoplastic Elastomer	other TPE					+	other TPE									

+ = limited suitability ++ = suitable +++ = especially suitable
(++) = suitable: provided these inks are suitably prepared in conjunction with special attention to the chemical and/or mechanical resistance, water resistance, drying, stoving or other special ink properties.

PLEASE READ THE TECHNICAL DATA SHEETS WITH REGARDS TO THE PAD PRINTING INKS AND ADDITIVES!