



Thallosjet

Il partner per innovare e crescere

**La Ricerca come soluzione strategica di business
per l'ecosistema tecnologico inkjet**

Thallosjet s.r.l
Via Carlo Viola 65, 10026 Pont Saint Martin (AO) - Italy
P.IVA IT01172160077

✉ info@thallosjet.com

☎ +39 0125 225056

SPECIAL INKS

SECURITY: Vehicle inks for customer's security taggans	CONDUCTIVE Custom made	INSULATOR Custom made	GRAPHENE Custom made	BIO Custom made
---	----------------------------------	---------------------------------	--------------------------------	---------------------------

WATER BASED INKS - Porous Substrates

INK ID	PRINT MEDIA									PERFORMANCE								CHARACTERISTICS		
	Paper	PET	PP	PE	PVC	Blister Foil	Wood	Metal	Glass	Ink Type	Dry Time (sec.)	Decap Time (min.)	Shelf life (month)	Cartridge	Firing Volt. [V]	Pulse Width [µs]	Max Freq. [kHz]	Heater	Typical Applications	Main Features
Absolute Black	★				★					Dye	1-2	30	12	HP45A	11	1.9	12	Plus Air dry	Silk-screen printing	Direct print on photoemulsions
General 2	★				★					Dye	1-2	30	12	HP45A	11	1.9	12	Air dry	Graphics and Industrial marking	High density black - Versatile use
Black LD	★				★					Dye	1-2	>1440	12	HP45A	11	1.9	12	Air dry	Graphics and Industrial marking	Extremely Long Decap Time - High reliability
TJ W M	★				★					Dye	1-2	30	12	HP45A	11	1.9	12	Air dry	Graphics and Industrial marking	Magenta
TJ W C	★				★					Dye	1-2	30	12	HP45A	11	1.9	12	Air dry	Graphics and Industrial marking	Cyan
TJ W Y	★				★					Dye	1-2	30	12		11	1.9	12	Air dry	Graphics and Industrial marking	Yellow
TJ W R	★				★					Dye	1-2	30	12	HP45A	11	1.9	12	Air dry	Graphics and Industrial marking	Red Spot Color

The values are for reference only.

For an optimal formulation, a targeted test on the customer's substrate is strongly recommended, given the enormous variety of substrates of the same category available on the market.

General Note

- After opening a print cartridge, store it with cap clip to help prevent ink from drying in the nozzles. It will also minimize the risk of contamination with airborne dust particles
- For UV inks, keep the cartridge in lightproof package such as aluminum bag when it is stored
- Refer to Safety Data Sheet (SDS) before use for safe handling
- For complete warranty information, please contact ThallosJet commercial office

○ Poor ☆ Good ☆ Better ★ Excellent

SOLVENT BASED INKS - Non porous and semi-porous substrates

INK ID	PRINT MEDIA									PERFORMANCE								CHARACTERISTICS		
	Paper	PET	PP	PE	PVC	Blister Foil	Wood	Metal	Glass	Ink Type	Dry Time (sec.)	Decap Time (min.)	Shelf life (month)	Cartridge	Firing Volt. [V]	Pulse Width [µs]	Max Freq. [kHz]	Heater	Typical Applications	Main Features
TJ Solvent	★	☆	☆	○	★	☆	★	★	☆	Dye	4	30	6	HP45Si	9.4	1.9	12	Air dry	Silk-screen printing	High density Black - Versatile use
TJ Solvent M	★	☆	☆	○	★	☆	★	★	☆	Dye	4	30	6	HP45Si	9.4	1.9	12	Air dry	Graphics and Industrial marking	Magenta - Versatile use
TJ Solvent C	★	☆	☆	○	★	☆	★	★	☆	Dye	4	30	6	HP45Si	9.4	1.9	12	Air dry	Graphics and Industrial marking	Cyan - Versatile use
TJ Solvent Y	★	☆	☆	○	★	☆	★	★	☆	Dye	4	30	6	HP45Si	9.4	1.9	12	Air dry	Graphics and Industrial marking	Yellow - Versatile use
TJ Solvent B	★	☆	☆	○	★	☆	★	★	☆	Dye	4	30	6	HP45Si	9.4	1.9	12	Air dry	Graphics and Industrial marking	Blue Spot color - Versatile use
TJ Solvent R	★	☆	☆	○	★	☆	★	★	☆	Dye	4	30	6	HP45Si	9.4	1.9	12	Air dry	Graphics and Industrial marking	Red Spot color - Versatile use
TJ Solvent G	★	☆	☆	○	★	☆	★	★	☆	Dye	4	30	6	HP45Si	9.4	1.9	12	Air dry	Graphics and Industrial marking	Green Spot color - Versatile use
TJ Solvent W	★	☆	☆	○	★	☆	★	★	☆	Pigment	3	30	6-9	HP45Si	9.4	1.9	12	Air dry	Graphics and Industrial marking	White - High adhesion
TJ RS	★	★	☆	★	★	☆	☆	★	☆	Dye	3	30	6-9	HP45Si	9.4	1.9	12	Air dry	Graphics and Industrial marking	High density Black - High adhesion on any substrates
TJ RS 2.5	★	☆	★	☆	★	★	☆	★	☆	Dye	3	60	6-9	HP45Si	9.4	1.9	12	Air dry	Graphics and Industrial marking	High density Black - Good adhesion
TJ S3	★	○	☆	○	☆	☆	☆	★	☆	Dye	2	120	6-9	HP45Si	9.4	1.9	12	Air dry	Graphics and Industrial marking	Long Decap - Very fast dry time

The values are for reference only.

For an optimal formulation, a targeted test on the customer's substrate is strongly recommended, given the enormous variety of substrates of the same category available on the market.

General Note

- After opening a print cartridge, store it with cap clip to help prevent ink from drying in the nozzles. It will also minimize the risk of contamination with airborne dust particles
- For UV inks, keep the cartridge in lightproof package such as aluminum bag when it is stored
- Refer to Safety Data Sheet (SDS) before use for safe handling
- For complete warranty information, please contact ThallosJet commercial office

○ Poor ☆ Good ☆ Better ★ Excellent

UV LED - Curable inks

INK ID	PRINT MEDIA									PERFORMANCE								CHARACTERISTICS		
	Paper	PET	PP	PE	PVC	Blister Foil	Wood	Metal	Glass	Ink Type	Dry Time (sec.)	Decap Time (min.)	Shelf life (month)	Cartridge	Firing Volt. [V]	Pulse Width [μs]	Max Freq. [kHz]	Heater	Typical Applications	Main Features
TJ UV Black		★	★	☆	★	★	★	★	★	Pigment		30	6	HP45Si	10.4	1.9	12	UV cure	Silk-screen printing	High density Black - Good adhesion
TJ UV White		★	★	☆	★	★	★	★	★	Pigment		15	6	HP45Si	10.4	1.9	12	UV cure	Graphics and Industrial marking	High density White - Good adhesion

METALLIC INKS

INK ID	PRINT MEDIA									PERFORMANCE								CHARACTERISTICS		
	Paper	PET	PP	PE	PVC	Blister Foil	Wood	Metal	Glass	Ink Type	Dry Time (sec.)	Decap Time (min.)	Shelf life (month)	Cartridge	Firing Volt. [V]	Pulse Width [μs]	Max Freq. [kHz]	Heater	Typical Applications	Main Features
ETJ9	☆	Under test			★		★	☆	☆	Pigment	1-5	30	6-9	HP45Si	9.4	1.9	12	Air dry	Decoration	Metallic Silver
ETJ9K	○	Under test			★		☆	☆	☆	Pigment	1-5	30	6-9	HP45Si	9.4	1.9	12	Air dry	Decoration	Metallic Gray
ETJ9B	○	Under test			★		☆	☆	☆	Pigment	1-5	30	6-9	HP45Si	9.4	1.9	12	Air dry	Decoration	Metallic Bronze / Cooper
ETJ9G	○	Under test			★		☆	☆		Pigment	1-5	30	6-9	HP45Si	9.4	1.9	12	Air dry	Decoration	Metallic Gold

The values are for reference only.

For an optimal formulation, a targeted test on the customer's substrate is strongly recommended, given the enormous variety of substrates of the same category available on the market.

General Note

- After opening a print cartridge, store it with cap clip to help prevent ink from drying in the nozzles. It will also minimize the risk of contamination with airborne dust particles
- For UV inks, keep the cartridge in lightproof package such as aluminum bag when it is stored
- Refer to Safety Data Sheet (SDS) before use for safe handling
- For complete warranty information, please contact ThallosJet commercial office

○ Poor ☆ Good ☆ Better ★ Excellent