



SIGMA+

Superior Performance on Any Surface

FOR HP45SI TECHNOLOGY



NON-CMR, PFAS-FREE, EXCEPTIONAL ADHESION

SIGMA+, the next-generation solvent-based dye ink formulated for HP 45si technology, redefines durability with the highest level of adhesion on substrates like plastic films (PP, PVC), UV coatings, and metals. Delivering dark, crisp impressions, SIGMA+ combines safety and high-quality printing with a Non-CMR and PFAS-Free formulation suitable for a range of environmental conditions.

SIGMA+ | TSK3646

Technical Specifications	
Ink Type	Solvent
Color	Black
Colorant	Dye
Firing Parameters	Voltage: 9.0V Pulse Width: 1.8 μ s
Pulse Warning	Off
Open Time	~ 16 hrs
Shelf Life	TBD
Bulk Use	Contact your Kao Collins Sales Representative
Storage Conditions	10°C ~ 30°C
Operating Conditions	10°C ~ 40°C; 30% RH
Maintenance	Gently wipe printhead with a dry, lintfree cloth
Downtime	<p>< 1 day down; leave cartridges in machine, wipe/purge before next use</p> <p>> 1 day down: remove cartridge from machine and seal with cartridge clip, wipe/purge next use</p>

Note: Performance results dependant on individual application parameters, e.g. substrate environment print orientation.

Performance Data	
Optical Density	████████████████████
Dry Time	████████████████████
Substrate Adhesion	████████████████████
Substrate Wetting	████████████████████
Decap Time	████████████████████

For Non-porous Media	
OPP	PP
PET	PE
AL	BLISTER FOIL
RUBBER	GLASS
AQUEOUS VARNISH COAT	
GRAVURE PRINT SURFACE	PAPER

Application Example	
O.D 100% Coverage Bar	2.52
Dry Time Size 12 Arial Text	< 3s

600x300DPI, Aluminum Foil



Regulatory Compliance			
EuPIA	REACH SVHC	Non-CMR	PFAS Free



Partners



HEADQUARTERS

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