



## - TECHNICAL DATA SHEET -

**Product** : HiCo 2750 Oe solvent-based magnetic slurry

Reference : **MSH-2113**

Application : for printing magnetic stripe tickets, complies to iso 7811/4 norms (motorway tickets, railways tickets, park tickets...).

Printing process :

Striping process : gravure roll coating head

(smoothing is highly recommended in order to erase pattern from the gravure),

### Description :

Magnetism :	hard magnetic range, High Coercivity (2750 Oe depending on orientation of particles)
Colour :	brown,
Solvent :	isopropyl acetate
Dry content :	43% +/- 2%

### Technical advices:

solvent :	isopropyl acetate
low drying diluent :	methoxypropanol acetate (PMA),
fast drying diluent:	ethyl acetate

+before coating :	high speed stirring for 5 mn. adding diluent to thin down to suitable viscosity ( for gravure printing and wet ink surface smoothing, add some 10 to 14 % of diluent )
	additional high speed mixing for 3 mn.

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+Magnetic orientation : before drying, wet magnetic layer has to go through a suitable magnetic field in order to influence particle orientation .

+cleaning : solvents such as acetates, or ketones could be used for cleaning coating head and gravures.

Filtration : only in order to stop and remove some dried skins or agglomerates coming back from coating head inkwell.  
(usually, 50 to 100 micron porosity filtration bags or cartridges work well)

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