



- TECHNICAL DATA SHEET -

Product : LoCo 290 Oe solvent-based magnetic slurry

Reference : **MSL-1110**

Application : for printing ticket magnetic stripe, complies to Ratp norms (Paris metro 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,
Low Coercivity
(290 Oe depending on orientation of particles)

Magnetic pigment : acicular shaped particles,
0,7 microns length

Colour : light brown,
Solvent : Isopropyl acetate

Dry content : 43% +/- 3%

Technical advices:

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

+before coating : high speed stirring for 5 mn.

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adding diluent to thin down to suitable viscosity (for gravure printing and wet ink surface smoothing, add some 5 to 10 % of diluent)

additional high speed mixing for 3 mn.

+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 to remove from ink some dried skins or agglomerates coming back from coating head inkwell.
(usually, 50 to 100 micron porosity filtration bags or cartridges work well)
