



- TECHNICAL DATA SHEET -

Product : LoCo solvent-based magnetic slurry

Product code : **MSL-2120**

Application : for printing ticket magnetic stripe, complies to ISO-7811-2 norms .

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 : 325Oe - 345 Oe
Maximum Magnetization : 1450 G – 1550 G
Squareness : 0.70 – 0.75
(on magnetically orientated stripe, according
to lab procedure)

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

Colour : brown,
Solvent : Isopropyl acetate

Dry content : 44% - 48%

Specific gravity on dry : 2.60 kg/dm³ – 2.75 kg/dm³

Packaging :

25 litres pail filled with 25 kg,



Technical advice:

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 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 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)