www.finecause.com

Screen Printing Knowledge-Part 3 Screen Printing Ink



- Ink viscosity
 - Generally speaking, the volatile ink used in traditional screen printing.
 - o 3~6% of the solvent will be added. which is much lower than the
 - 15~18% of the solvent used in pad printing.



Printing Press, Screen Printing Equipment, Product Printing, Pad Print Consumables, Pad Print Inks, Screen Print Inks, Inks Blender, Surface Print, Contact Lens Printer



- Screen printing requires higher viscosity ink.
 - because high ink fluidity will easily lead to ink overflow.
- Add an appropriate amount of thinner slow solvent
 - o can reduce the ink viscosity to avoid ink picks



- •
- Add an appropriate amount of thinner slow solvent can increase the ink fluidity. which rises the ink scraping speed to increase the productivity.
- 1:35 A common mistake is that screen printing inks always dry too fast.

Integrity, Kindness, Humility, Professionalism, Diligence And Pragmatism

FINE CAUSE FINE CAUSE ENTERPRISE COMPANY LTD.

ADD: Block A, No. 82-3, Dongshun St., Shulin Dist., New Taipei City 238, Taiwan TEL : +886-2-8686-9292 FAX : +886-2-8686-3352 Manufacturing pad printing machines Screen printing machines Pad printing | Screen printing OEM

www.finecause.com



- Screen printing inks should dry as slowly as possible. some inks used in certain materials do not even dry at all,
- It can only be cured through heating or UV light exposing.
- UV light curing.



Printing Press, Screen Printing Equipment, Product Printing, Pad Print Consumables, Pad Print Inks, Screen Print Inks, Inks Biender, Surface Print, Contact Lens Printer

- The inks become viscous due to rapid volatilization
- If the ink dries too fast, the screen stencil is easy to be stained and the ink picks are tend to appear
- ★After printing, there is no sufficient time for the ink on the printed substrate to

level or remove the bubbles. and defects are generated

• Stained mesh causes incomplete printing



- \star Cure in the <u>curing oven</u>
 - There is only one problem for inks that dry too slow. which is the long curing time. the printed objects are easily contaminated with animal fur and dust. But this can be solved by putting into the curing oven immediately.

integrity, minuness, muninity, riolessionansin, pingence and riaginatism