

# POLYPLAK SERIES

These gloss UV ink series are designed for printing on polyolefines, PE and PP (bottles, cartridges, cans, capsules...) flame or Corona treated (surface energy > 40 dyn/cm). Low residual odour.

## PRINTING and APPLICATION

**This ready to use ink doesn't need the use of an hardener.**

Once printed, the optimal adhesion is rapidly obtained after curing : a tape test right after curing must be done to check if there is any uncured ink remaining on the substrate.

**Important : this ink series has specially be studied to avoid any intercoat adhesion particularly in process colour jobs.**

It is possible to use more open meshes when printing with Polyplak, although it is necessary to add some base to obtain through cure of the ink deposit. There is no limit to the quantity of base that can be added to the ink.

When using fine meshes (165+/420+) the ink layer is considerably reduced which will increase the cure efficiency. The high pigment concentration of Polyplak, allows the use of fine meshes while maintaining a good color density.

Note that the ink layer can vary more or less by 50% as a function of the following parameters: pre-press preparation, type of printing press, choice and angle of the squeegee and flood bar.

## DILUTION

This ink is ready to use; However, if required, it is possible to adjust the viscosity by adding MPG thinner (NVP free) but no more than 10%.

## OPACITY

The opacity varies as a function of the color shade and depth of the ink deposit. An ink, which has been extended with base, can appear more opaque when printed with an open mesh than non-extended ink printed with a fine mesh. The addition of 3 to 5% white will often increase the opacity of a standard shade without affecting the apparent colour.

## CLEANING

Solvent H, Eco N, 93801

## STORAGE

The standard Polyplak inks and special shades have a guaranteed shelf life of 1 year ,undiluted, in the original container. The above guarantee is applicable to ink stored in a dry, dark well-aired environment between 15 and 25°C.

## HEALTH & SAFETY STANDARDS AND LEGISLATION

For full information refer to the Material Safety Data Sheet - N° 1329

POLYPLAK inks conform to the EEC and Safety of Children's Games Standard EN-71/3, April' 89 limiting the maximum quantity of the following 8 heavy metals extractable from a finished print: Selenium, Chromium, Barium Arsenic, Antimony, Lead, Mercury and Cadmium.

We also guarantee there are no voluntary additions of heavy metals during the production process.

POLYPLAK series are NVP and ITX free.

## COLOUR RANGE

Mixing white 702	Thixo base 098
Opaque Black 703	Base 095
Mixing Black 701	Varnish for powder 091

## STANDARDS

Mid Yellow	710	Pink	760
Golden Yellow	720	Violet	770
Mandarin	730	Primary Blue	780
Vermilion	740	Emerald Green	790
Dark Red	750		

## PROCESS COLOURS

Yellow	430 6/7L	Magenta	420 7/8L
Black	410	Cyan	450

Thinner MPG

## MULTIFLEX PIGMENT CONCENTRATES

Mid Yellow	715	Pink	365
Orange Yellow	725	Violet	375
Mandarin	335	Primary Blue	385
Vermilion	345	Emerald Green	395
Dark Red	755	Black	415
Red	355		

**Caution: the addition of too much pigment concentrates may affect the throughcure of the ink. Never print the concentrates by themselves.**

## COLOUR MATCHING

**Dubuit offer a full in-house color matching service from 1 Kg. We need then to receive as much information as possible regarding the type of substrate, colour, mesh used, wet sample...**

*Dubuit guarantee the quality of our products. We cannot however guarantee the finished results because we exercise no control over an individual operating procedures. Our responsibility is limited solely to the exchange of ink or varnish. The quality of a substrate to be printed can vary, as can an ink being overprinted; therefore the above information is given in good faith based on the state of our art and prior experience. This statement also applies to our technical assistance. When using our inks and varnishes on a new substrate or when changing operating procedures, we strongly recommend testing before use in a production situation to ensure full compatibility. **Please refer to our General Conditions of Sales.***