

## **SCREEN INKS**

# Serie "U.V. MULTI-PLAST" (One pot U.V. curing inks)

## **General description**

"U.V. MULTI-PLAST" are one component u.v. drying inks.

They have been specially formulated for printing on PVC materials and in general for all thermoplastic materials like Acrylics (perspex, Plexiglas). Polystyrene, ABS, Polycarbonates. In particular they are ideal for printing onto rigid plastic sheets and top coated metals.

Always test the application fully before beginning a production run as there is often considerable variance in plastics.

#### **Characteristics**

"U.V. MULTI-PLAST" inks have a good printability, a very glossy finish and high opacity.

They are supplied ready for use at the right printing viscosity.

The drying is very fast under the appropriate ultra-violet light.

"U.V. MULTI-PLAST" colours can be printed one upon another without any adhesion problem.

No particular operations are required, like for instance reducing the power of the lamps.

They have a very good chemical and scratching resistances.

#### **Application**

These inks are largely employed for printing on rigid plastic materials and on top coated metals for both indoor and outdoor application.

Due to their very good adhesion and curing properties U.V.MULTI-PLAST inks have very high mechanical resistance

They can also be used for the decoration of bottles and containers in PVC, PETG and PET.

#### Meshes

Thanks to their fast drying and opacity, "U.V. MULTI-PLAST" inks can be printed with meshes from 140 to 195 threads/cm, they can also be printed with lower mesh but test should be done before in order to check curing of the product.

## **Curing Informations:**

The curing speed is about 10-20 mts/minute under a 80-120 watts/cm. lamp, wavelength 320-420 nanometers.

## **Coverage**

 $50-1\overline{00 \text{ m}^2}/\text{Kg}$ , following the meshes.

## **Colour range**

"U.V. MULTI-PLAST" inks are supplied in the twelve basic shades.

Thricromatic shades are available.

All colours are in FPT grade (Food Packaging and Toys) complying to EN 71 - III for application on toys.

## **Auxiliary products**

DILUENTE REATTIVO 993 To be used mainly for thinning of white and clear.

Suitable also for others colours.

DILUENTE AGGRESSIVO 789 To be used 2-3% on plastic materials which can

be easily attached by solvents. This thinner allows a

faster drying..

INDURITORE 3000 To be used 3% for white and clear and 3-5% for

others colours, in order to increase adhesion, chemical, mechanical and physical resistance, and hardness. The pot life is reduced to about 24 hours.

#### **Packaging**

All colours are available in 1 Kg. and 5 Kg. tins.

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These information are based on our direct experience but do not answer any really guarantee.