



THERMOSET **Glossy inks**

Product description

Thermoset are one-pack and oven-curing inks, specially formulated printing aluminium materials.

They can be printed with very good results on metals, glass, ceramics and other kind of materials that can stand the high temperature in the oven.

These inks are used mainly to print plates, panels for washing machines, washing-up machines, refrigerators, television-sets, gas-stoves etc. as they fulfil the strict specifications of the most important electric household appliance producers.

Main characteristics

Thermoset inks are one-pack inks with incorporated catalyst, therefore in comparison to ordinary two-pack epoxy inks; they offer the advantage of not having a short printing life (Pot Life).

These inks overcome the following chemical adhesion and physical resistance tests:

1. Adhesion

Particular pre-treatment to improve adhesion are not necessary, only the support must be perfectly degreased and without impurities. Under these conditions the adhesion test give always very good results.

2. Shearing and creasing

These inks show a remarkable elasticity and flexibility and they can perfectly stand shearing and creasing tests (outer radius mm 2)

3. Resistance to detergents and solvents

Very good resistance also in hot conditions, to rubbing and immersion in detergents (VIM) spirit and petrol

4. Resistance to U.V. rays and heat

Good results are obtained after long exposures to u.v. rays hours (72 hours exposure, Philips lamp 400 HPR) and to heat (12 hours oven at 150°C).

5. Outdoor resistance

Long exposure to external agents tests allow the use of these inks for outdoor application.

