

# UNICAT

## series 2015

### technical information

Epoxy, highly covering screen printing ink, with good adhesion on ferrous metals, aluminium, glass, pre-treated polyethylene-polypropylene and all the materials chemically-resistant. Suitable for high chemical-physical resistance. As well as the standard colours, are suitable several catalysts and additives that allow to obtain good results on different materials in different printing conditions. Formulation comply with EN 71 specification. Always test before using in production.

#### PREPARATION

Prepare only the quantity strictly necessary for immediate use. Stir the ink before use. Add in the colours, 25% of Unicat catalyst or catalyst V/A and mix thoroughly. Add 10-15% of thinner and mix. If the printing requires long stop printing period, to avoid that the ink dries in the screen, use the same percentage of Catalyst retarded 08 instead of Catalyst 09.

#### SCREEN FABRICS

140 threads/cm max.  
Normally 100-120 threads/cm.

#### DRYING

The printed substrates are tack-free after 1 hour.

#### CURING

At the room temperature it takes 48-72 hours, in air drier according to the table beside.

⌚	°C
40'	80°
20'	120°
10'	150°
2'	180°

#### IMPORTANT

All Unicat colours must be catalyzed with 25% of Unicat catalyst. Unicat transparent, process colours and tixotropic gel, must be catalysed with 50% of Unicat catalyst. NOTE: mixing opaque colours with transparent or tixotropic gel, be carefull to add the correct quantity of catalyst in each part.

#### POT LIFE

The pot life of the catalyzed ink is about 8 hours

#### COLOURS AND AVAILABLE PRODUCTS

white 10, lemon yellow 20, orange 30, red 40, ruby red 42, magenta 44, violet 50, ultramarine blue 54, blue 56, royal blue 57, brilliant green 60, green 62, black 80, rich gold 89, rich pale gold 90, pale gold 91, silver 95, transparent 01, smooth satin finish 05, rough satin finish 06.

#### PROCESS COLOURS

yellow 29, magenta 49, cyan 59, black 89, tixotropic gel 04

#### CATALYST

Catalyst 09, Catalyst V/A (glass-steel) 03, retarded catalyst 08

#### STORAGE

Protect from extremes of temperature.

#### STANDARD PACKING

inks: cans Kg 1-5  
thinners: cans Lt 1-5-25

#### APPLICATIONS

ferrous metals, aluminium, glass, pre-treated polyethylene-polypropylene, etc

#### SCREEN FABRICS

77-140

#### EMULSIONS

DIWOSOL J, DIWOSOL SD, DIWOSOL 200, DIWOSOL DUAL, DIWOSOL 400

#### THINNERS

201 R, 202 M, 203 L, 204 retarder

#### DRYING

Handling is possible after 1 hour, at room temperature

#### CURING

48-72 hours at room temperature

#### WASH-UP

Solvente lavaggio 113, Solvente lavaggio 302