

Technical Data Sheet

TPC 290

2-Component Pad Printing Ink

TPC 290_en2.doc

20.11.2008 / 24.07.2008 / Lgg

Blatt 1 / 2

2- Component Pad Printing Ink TPC 290

Application

For printing onto pre-treated polyolefines such as polyethylene and polypropylene, thermo-plastics (ABS, acrylics), various metals, duroplastics, epoxy resins and **golf balls**.

Properties

2-component pad printing inks TPC 290-NT are glossy, show good opacity and high chemical, mechanical and outdoor resistance.

Colour Shades

The colour shades of the TPC 290-NT range show heavy metal free pigmentation and correspond to EN 71, part 3, safety of toys, migration of certain elements.

Ink Colour Programme

Standard Shades

TPC 290/21-NT bright red
TPC 290/32-NT ultra blue
TPC 290/41-NT fir green
TPC 290/60-NT white,
TPC 290/65-NT black

Other shades can be manufactured subject to our special ink shade regulation.

Process Colour according to European Scale

TPC 290/180-NT yellow
TPC 290/181-NT magenta
TPC 290/182-NT cyan

Mixing System Base Colours

TPC 290/GF-01-NT primrose
TPC 290/GF-02-NT golden yellow
TPC 290/GF-03-NT orange
TPC 290/GF-04-NT scarlet

TPC 290/GF-05-NT magenta
TPC 290/GF-06-NT red
TPC 290/GF-07-NT violet
TPC 290/GF-08-NT blue
TPC 290/GF-09-NT green
TPC 290/GF-11-NT white
TPC 290/GF-12-NT black
TPC 290/GF-13 varnish

For mixing of colour shades the formulations listed in the GF-recipe-catalogue can be used as a guide.

Adjustment for Pad Printing

2-component pad printing inks TPC 290-NT are mixed with hardener HR prior to processing.

Mixing ratio (parts by weight) should be:

TPC 290-NT : Hardener HR = 4 : 1

Pot life of the mixed ink is approx. 8 hours. After this time adhesion and resistances might be reduced, even if the ink still seems to be liquid and processable.

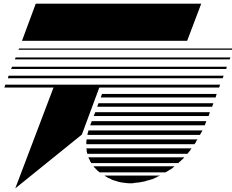
Pad printing inks TPC 290 are adjusted to printing consistency with 15 ... 30 % thinner VD. VG can be used as slow thinner. ZG as retarder.

Drying

After addition of hardener HR 2-component inks TPC 290 dry chemically-physically within approximately 15 min. at room temperature (20...25°C / 68...77°F). Heat application and air circulation will reduce drying time to approximately 30 seconds. At room temperature 2-component ink TPC 290 inks are fully cured after approximately 5 ... 6 days.

Cleaning

For cleaning of stencils and tools our universal cleaning agent RE or thinner VN can be used.



Technical Data Sheet

TPC 290

2-Component Pad Printing Ink

TPC 290_en2.doc

20.11.2008 / 24.07.2008 / Lgg

Blatt 2 / 2

Packing

TPC 290-NT inks are available in 1 litre cans (approx. 1.06 qt.) and 200ml tubes only.

Hardener HN is available in 1 litre cans and 100 ml tubes.

Shelf Life

For information regarding shelf life please see tin label.

Marking

Read material safety data sheets prior to processing.

The material safety data sheets according to (EG) 1907/2006 contain marking in compliance with the regulation on dangerous working materials as well as instructions for precautions when processing, handling and storing as well as first aid.

The information given in the material safety data sheet refers to processing as described in this technical leaflet.

The statements in our leaflets and safety data sheets are based on our present experiences, however they are no assurance of product properties and do not justify a contractual legal relationship. They serve to advise our business associates, but it is absolutely necessary to make your own printing tests under local conditions, with regard to the intended purpose prior to starting the job.

- All former leaflets are no longer valid. April 2008. Version Nr.3