

Vinilflat Thermochromic

Code A3113893-

PRODUCT DESCRIPTION

Vinyl solvent based ink, whose characteristic is to shift its colour when the temperature varies.

APPLICATION FIELDS

Vinilflat Thermochromic is a coloured ink that, once printed and dried, becomes transparent on contact with a heat source at 31°C.

This product is dedicated to overprinting of pre-existing graphic works, or it may be screen printed directly on paper, paperboard, PVC, ABS, PS and PES.

APPLICATION PROCESS

Substrates	Paper, paperboard, PVC ABS, PS, PES
Th/Cm	From 43 to 77 Th/Cm
Emulsion	<ul style="list-style-type: none"> • <i>Zero - In SV Plus Viola</i> • <i>Zero - In SR-V</i>
Squeegee	Square edge Squeegee hardness 70 - 75 Shores
Drying	At room temperature Into oven, at 50-60°C for 1 minute
Thinner	<i>Thinner 90.918 slow</i> <i>Thinner 90.913 odourless</i>
Adhesion Promoter	<i>Adhesion promoter 90.908</i> (code A31890908000) Max. 10%
Cleaning	<i>Solvent LQ 90.920</i>
Storage	If kept in a dark place, in its original sealed package, at a temperature of 20-25°C, the product has a shelf-life of about 1 year.
Package	See the product range table
Safety Data Sheet	Available on request

GENERAL FEATURES

- Good opacity
- Semi-glossy finishing
- Excellent scratching resistance
- Good flexibility
- Ready to use
- Colour-shifting temperature: 31°C

PREPARATION

The product is ready to use, but in case that viscosity reduction is needed, it is possible to add *Slow Thinner 90.918* or *Thinner Odourless 90.913*.

TECHNICAL FEATURES

The performance of the product, printed with a 77 Th/cm screen, is 30-35 m²/kg. These data are merely an indication, since they depend on the dilution, the substrate and the printing equipment. Thermochromic inks are semi-opaque, so, in order to achieve the desired opacity, it may be necessary to print several printing passages.

SPECIAL INSTRUCTIONS

- Always test the characteristics of the product, before starting production.
- The above information is the result of previous knowledge and experience; it is neither a guarantee nor an assurance.
- The evaluation of the prints must be made at a temperature which is lower than 25°C, since the colours shift at about 31°C.
- In order to improve adhesion on such substrates, that are difficult to be printed, it is recommended to add up to 10% *Adhesion Promoter 90.908*.
- By adding the adhesion promoter, the ink has a pot-life of about 8 hours.

PRODUCT RANGE

CODE	PRODUCT	PACKAGE
A31138930-	THERMOCHROMIC BLACK	250 g

IMPORTANT NOTE

The information given in this technical sheet is not intended to be exhaustive and any person, using the product for any purpose other than that specifically recommended in this sheet without first obtaining written confirmation from us of the suitability of the product for the intended purpose, does so at his own risk.

While we endeavour to ensure that all advice we give about the product is correct, we have no control over either the quality or condition of the substrate or the many factors affecting the use and application of the product.

Therefore, unless we specifically agree in writing to do so, we do not accept any liability whatsoever or howsoever arising for the performance of the product or for any loss or damage arising out of the use of the product.

The information contained in this sheet is liable to modification from time to time in the light of experience and our policy of continuous product development.