

# Texisil Super Clear Base

Code 166610

## PRODUCT DESCRIPTION

Two-component transparent ink, based on silicone polymers, in a 50:50 hardening ratio.

## APPLICATION FIELDS

Direct textile printing. For high thickness 3D effects.

## APPLICATION PROCESS

<b>Substrates</b>	<ul style="list-style-type: none"> <li>• Cotton 100%</li> <li>• Cotton blended with synthetic fibres</li> <li>• Elastic substrates</li> </ul>
<b>Th/cm</b>	Max: 48 Th/cm (123 Th/inch)
<b>Emulsion</b>	<ul style="list-style-type: none"> <li>• <i>Zero-In Speedcure (3D)</i></li> </ul>
<b>Squeegee</b>	Square edge Squeegee hardness 60 - 65 Shores
<b>Curing</b>	130°-150°C for 3-2 minutes
<b>Thinner</b>	In case, max 5%: <ul style="list-style-type: none"> <li>• <i>Texisil Thinner</i></li> <li>• <i>Texisil Thinner Fast</i></li> </ul>
<b>Hardeners</b>	<i>Texisil Super Clear Catalizzatore</i> – 50:50
<b>Colours</b>	Max 5% <i>Texisil Pigment</i>
<b>Cleaning</b>	<i>Screenclean ST</i>
<b>Storage</b>	<ul style="list-style-type: none"> <li>• Away from direct sunlight</li> <li>• At a temperature between 15-35°C</li> </ul>
<b>Package</b>	5 and 30 kg
<b>Safety Data Sheet</b>	Available upon request

## GENERAL FEATURES

- Ideal for 3D effects
- High transparency
- High definition
- Excellent elasticity and flexibility
- No tack
- Excellent anti-foil effect
- Phthalate, PVC, heavy metals and formaldehyde free

## PREPARATION

Two-component ink. Mix *Texisil Super Clear Base* with *Texisil Super Clear Catalizzatore* in a 50:50 ratio.

The pot-life is about 6-8 hours. Homogenize well before use.

Add a maximum 5% of *Texisil Pigment* to print transparent colours on light backgrounds. It is possible to add one of the above mentioned thinners in order to adjust the viscosity depending on the required final effect.

## APPLICATION

To print 3D effects, it is suggested to use a 12-34 Th/cm screen, with a maximum thickness of 400 µm.

It is possible to achieve special effects by mixing glitters or metal powders into *Texisil Super Clear Base*.

The inks of the series *Texisil* have an anti-foil effect. They are particularly indicated for the application in combination with *Mytex*.

## CURING

Curing must take place at 130°/150°C during 3/2 minutes.

## SPECIAL INSTRUCTIONS

- Always test the printing characteristics, before starting production.

- Always check curing conditions. The addition of additives could require different curing times.
- Avoid too long intermediate drying times through IR Flash lamps. Actually, too long times may compromise the adhesion of the overprints, which are subsequent to drying. There are different kinds of IR Flash lamps and various substrates, onto which it is possible to print the inks of *Texisil* series; for this reason, it is not possible to give detailed information about the times and the powers of the lamps. So, it is recommended to do preliminary tests.

## PRODUCT RANGE

Code	SILICONE	Package
166610	SUPER CLEAR BASE	5 e 30 kg
166611	SUPER CLEAR CATALIZZATORE	5 e 30 kg
166651	THINNER	1 e 5 kg
166652	THINNER FAST	1 e 5 kg

## EQUIPMENT

Indicated for using onto automatic, semi-automatic and manual machines.

Depending on the glitter size, the right screen must be used (Th/cm):

Type	Size	Th/Cm	Cut	Thickness
001	50 µm	34	Hexagonal	12 µm
002	75 µm	24	Hexagonal	12 µm
004	150 µm	15	Hexagonal	12 µm
008	230 µm	10	Hexagonal	25 µm

## 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 to 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.

## WARNING

This technical data sheet does not replace either the Safety Data Sheet or the specific Conformity Declaration. These documents may be required to our SHEQ (Product safety office), at the following e-mail address: [safety@eptainks.com](mailto:safety@eptainks.com)

The technical data sheet does not relieve the printer, who remains the only responsible of the respect of the regulations, the specifications and the related required certifications of the finished items.