Texisil Puff Base

Code 166605

PRODUCT DESCRIPTION

Two-component ink, based on silicone polymers for 3D effects.

APPLICATION FIELDS

Direct textile printing. For ready-to-wear or pre-cut articles.

PROCESSO APPLICATIVO

Substrates	• Cotton 100% • Cotton mixed with synthetic fibres • Elastic substrates • The substrates may be white or coloured
Th/cm	• Max: 55 Th/cm (125 Th/inch)
Emulsion	• See reference table
Squeegee	Square edge • Squeegee hardness 60 - 65 Shores
Curing	• 90/100°C for 3/2 minutes if hardened with ***Texisil Catalyst Super Fast*** • 130/140°C for 3/2 minutes if hardened with ***Texisil Catalyst***
Catalysts	• ***Texisil Catalyst Super Fast*** • Use % = 3-5% • ***Texisil Catalyst*** • Use % = 7-10%
Auxiliaries	• See TDS "***Texisil Auxiliaries***" e "***Texisil series"***
Cleaning	• *Screenclean ST*
Storage	• Away from direct sunlight • At a temperature between 15-35°C
Package	• 5 kg
Safety Data Sheet	• Available upon request

GENERAL FEATURES

- High stability in the screen
- High definition
- Excellent elasticity and flexibility
- Puff effect with soft and velvety touch
- No tack
- Excellent anti-foil effect
- Phthalate, PVC and Formaldehyde free

PREPARATION

Two-component ink. *Texisil Opaque Base* must be mixed with *Texisil Catalyst* (use % = 7-10 %) or with *Texisil Catalyst Super Fast* (use % = 3 - 5%).
In the first case, the pot-life is about 6-8 hours (the use is recommended in case of automatic machines), and, in the second case, it is maximum 3 hours (the use is recommended in case of manual printing). Homogenize well before using it.
The possible addition of thinners allows to adjust the viscosity, according to the desired final effect.

APPLICATION

Puff effects may be achieved starting from *Texisil Puff Base*, coloured with *Texisil Pigments*. TEXISIL PUFF BASE does not compromise the ink elasticity and fiction fastness.
Texisil Puff Base may be overprinted with products of the series *Texisil* only.
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:
90-100 °C for 3/2 minutes, if the ink has been hardened with *Texisil Catalyst Super Fast.*
130-140 °C for 3/2 minutes, if the ink has been hardened with *Texisil Catalyst***.**

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	TEXISIL	Package
166605	PUFF BASE	1 e 5 kg
166650	CATALYST	1 kg
166654	CATALYST SUPER FAST	1 kg

EQUIPMENT

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

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

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.