

Appiano Gentile 04/06/2020

Reference: AMEX indications for transfer printing

In order to achieve the best result with a transfer printing it is important to consider:

- SUBSTRATES
- PRINTING
- TRANSFER CONDITIONS

SUBSTRATES

The substrate should have high stability to heat, high stability to the inks being used, high release capacity. The substrate can be SILICON PAPER or POLYESTER PAPER.

COMPOSITION

The printing method for transfer is wet on dry, each ink layer needs to be dried before the application of the next one. The screen should have a correct out of contact to achieve right printability and definition.

The squeegee should always have a correct hardness in relation to the required effect:
HARD for higher definition and lower deposit SOFT for lower definition and higher deposit.

TRANSFER CONDITIONS

Transfer conditions like the heat-press temperature, time and pressure are a key point during the transfer process.

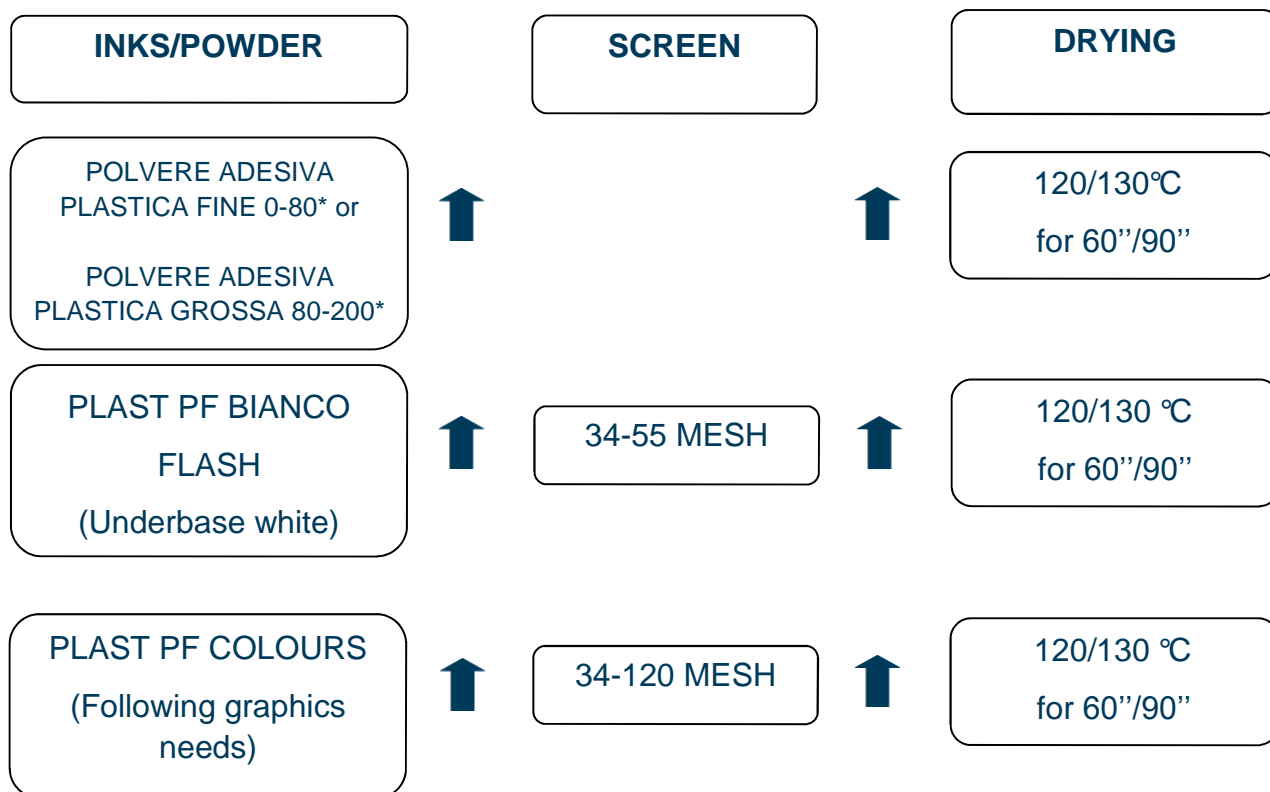
AMEX S.r.l.

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www.amexsrl.com

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Codice Destinatario SDI: M5UXCR1

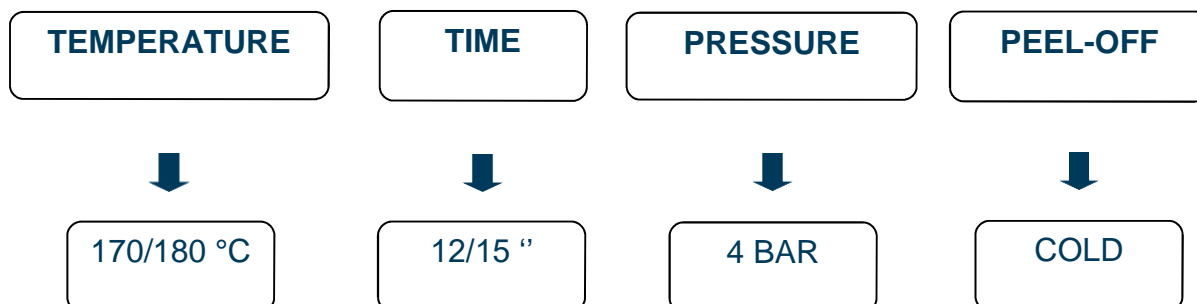
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TRANSFER WITH STANDARD PLASTISOL FOR DARK SUBSTRATES



SILICON PAPER

TRANSFER CONDITIONS



*POLVERE ADESIVA PLASTICA FINE 0-80 and POLVERE ADESIVA GROSSA 80-200 have to be spread on the wet ink surface.

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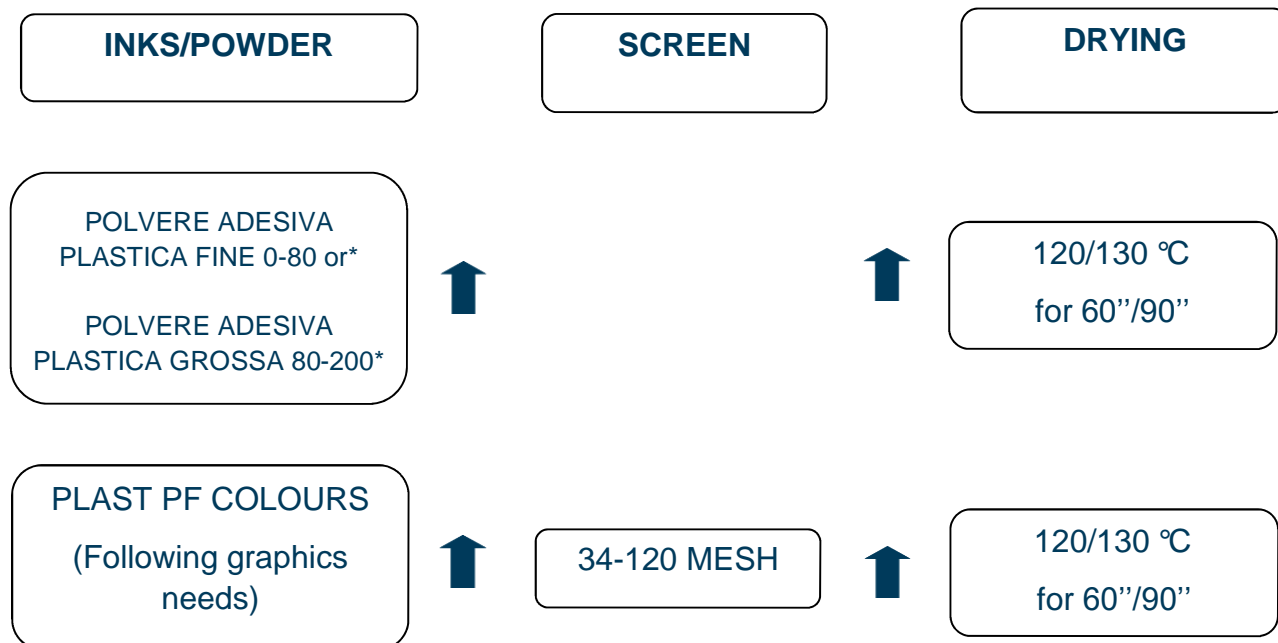
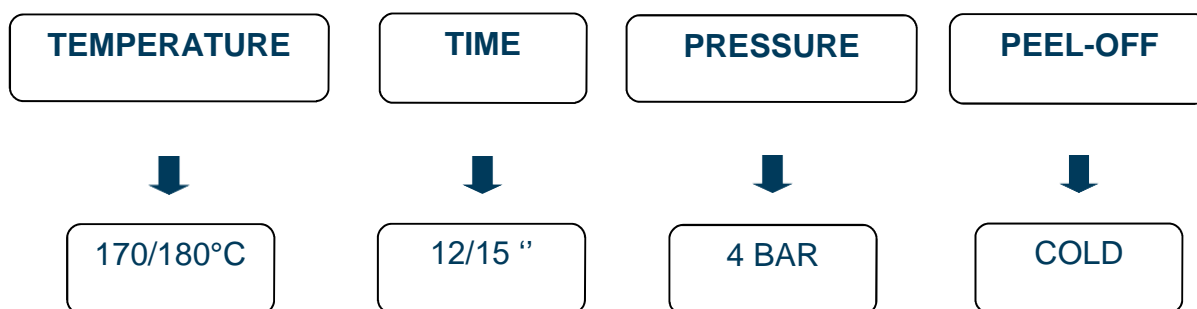
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TRANSFER WITH STANDARD PLASTISOL FOR LIGHT SUBSTRATES**SILICON PAPER****TRANSFER CONDITIONS**

*POLVERE ADESIVA PLASTICA FINE 0-80 and POLVERE ADESIVA GROSSA 80-200 have to be spread on the wet ink surface.

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In order to avoid troubles, here below you can find some piece of advice:

- ◆ Stabilize the paper before printing in order to avoid registration problems;
- ◆ Prepare the screen for the adhesive with a film which has a slightly larger dimension than the one of the design;
- ◆ If you need to achieve a bigger mechanical resistance and elasticity, print as first layer a transparent ink;
- ◆ Check drying conditions of the adhesive, too high temperature or time can damage the adhesive;
- ◆ Pressure, time and temperature have to be appropriate;
- ◆ Handle with care the piece before peeling off the transfer and wait that the surface is completely cold. In case the transfer foil tends to raise when the piece is taken from the heat press, image borders could come off from the piece;
- ◆ If you need to improve the resistance it is possible to use THERMOPLASTIC

POWDER. THERMOPLASTIC POWDER is available in two different sizes:

0-80 μ m, (fine) suitable to be added directly to the ink in a percentage between 10% - 15% depending on the viscosity of the ink.

The fine powder can be added into the ink or can be spread on the ink wet surface.

80-200 μ m, (coarse) suitable for powdering on the surface of the wet printed ink.

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