

TRUBOND F401 INKJET GLUE

CHEMICAL BASIS

Preparation of polymers in solvents

CHEMICAL & PHYSICAL SPECIFICATIONS

Density (25 °C): approx. 0.98 g/cm³
Viscosity (25 °C): approx. 25 mPas

PACKAGING & PRESERVATION

6 months under proper storage conditions
Containers of 5 kg or containers of 900 Kg

PROPERTIES & APPLICATIONS

TRUBOND F401 is a particular inkjet glue with strong cohesive power for the tile decoration. It is an opalescent solution that contains within it a melting agent for ceramic use. It contains polymers with cohesive power to bind fine powders or fine grits on the tiles, allowing the decoration of all possible designs and effects desired by digital printing technology.

Usually, TRUBOND F401 is integrated in the production line as follows:

1. Engobe/glaze application;
2. If required apply primers (for example DIGICER PRIMER 007 or DIGICER PRIMER 008);
3. Inkjet color decoration + adding TRUBOND F401 in the last or last two bars;
4. Immediately after the digital printing machine (1-2 m distance), application of fine grits or fine powder with traditional machine for grits application;
5. Suction or blowing to eliminate the excess of materials.

The inkjet glue applied with inkjet heads can be rapidly absorbed by the tile's support, depending on the production conditions; to achieve the cohesive effect of the powder or grits, we recommend to increase the amount of the inkjet glue to arrive wet under the grits or powder application. To increase the amount of glue as necessary we recommend as follows:

- Use inkjet heads with high discharge of ink;
- If possible, use two bars of application (two applications overlapping);
- Use possibly the 100 % of covering (bitmap) always in binary way;
- Use the primers of the DIGICER PRIMER series (additives for surface treatment) to increase the open time;
- Adjust the distance to the powder application unit to optimize the cohesive performance.

The results here included have been obtained from trial in our laboratory and plant. In the light of changing conditions they can serve only as a guide and they are therefore offered without obligation. We ask you to observe the possible rights of third parties.

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After the application of grits or powder, it is possible to apply the glaze by spraying or with double disc.

Grits or powder parameters

Composition: all compositions are allowed
Humidity: < 1 %
Size: D90<0.3 mm, optimum D90<0.2 mm.

The cleaning of and treatment on the digital printing machine are the same as w TRUCOLOR inks.

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