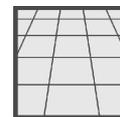


TRUBOND 251

INKJET GLUE



Chemical basis:

Preparation of polymers in solvents

Characteristics:

Density (25 °C): approx. 0.88 g/cm³
Viscosity (25 °C): approx. 22 mPas
(45 °C): approx. 12 mPas

Shelf-life / Packaging:

12 months under proper storage conditions
Containers of 4 kg

Application:

TRUBOND 251 is a particular inkjet glue with strong cohesive power for the tile decoration. It is a transparent solution without solids in suspension and contains particular 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 251 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 251 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 increasing the open time of the inkjet glue to arrive wet under the grits or powder application. To increase the open time 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 above results have been obtained from trials in our laboratory and plant. In the light of changing conditions they can serve only as a guide and 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 with our TRUCOLOR inks.

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