



AQUABOND BETA-1

INKJET GLUE



Chemical basis:

Mixture of polyglycols and resins

Characteristics:

Appearance: blue liquid
Density (25°C): approx. 1.14g/cm³
Viscosity (25°C): approx. 28mPas

Shelf-life / Packaging:

6 months under proper storage conditions
Containers of 5 and 1000kg

Application:

AQUABOND BETA-1 is a water-based inkjet glue with strong binding power for the tile decoration. AQUABOND BETA-1 is a part of a bi-component (Alpha and Beta) glue concept: Using two different bars of a digital printing machine AQUABOND ALPHA-1 is applied for using the first bar.

AQUABOND BETA-1 is applied for using the second bar creating a graphic design made of two layers of ALPHA-1 and BETA-1.

The reaction of AQUABOND ALPHA-1 and AQUABOND BETA-1 is fast and creates a soft gel with the following advantages compared to a standard digital glue:

- High definition
- Long drying time
- Grey scale very fine.

AQUABOND glues contain particular polymers with binding power to bind fine powders or fine grits on the tiles, allowing the decoration of all possible designs and effects desired.

Usually, AQUABOND glues are integrated in the production line as follows:

1. Engobe / glaze application
2. Inkjet color decoration and adding AQUABOND ALPHA-1 and AQUABOND BETA-1 in the last two bars
3. After the digital printing machine (2-3m distance) application of fine grits or fine powder with traditional machine for grits application
4. Suction to eliminate the excess of materials

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.

AQUABOND BETA-1

Grits or powder parameters:

Composition:	all compositions are allowed
Humidity:	<1%
Size:	D90<0.3mm without powder residue inside

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.