



Tensiojet B

Chemical Description

Synthetic polymers mixture

Main use

Multifunctional additive for digital printing

Typical values

Appearance at 20°C: liquid

Colour: yellowish

Solubility in water: Not soluble in water , soluble in solvents

Active content: 50 %

Density (g/l) @20°C: 930 – 960

Applications

As a consequence of the progress in the ceramic sector , the digital inks are more and more often applied directly on the glaze and/or engobe layers.

As the tile sizes turn bigger and bigger (see ceramic slabs) , the "glaze applications " become a crucial stage , where the final aesthetic effect is obtained by the optimization of the most important working methods.

Liquid Glaze /TENSIOJET B (computed on dry weight)	100/0.5 ÷ 1%
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High performances are thus required as excellent levelling ability , either at low or high Temperatures , short drying time , better compatibility with digital inks avoiding hydro- repellence problems , as well as strong binding properties .

That's the reason why Lamberti labs developed a new series of multifunctional additives , TENSIOJET B, able to get the following targets :

- ✓ Enhance adhesive efficacy (binding power) of the glaze
- ✓ Improving rheological behavior , keeping the viscosity low
- ✓ Improving the levelling quality on the tile surface avoiding aesthetic defects as dimples , pin holes and cracks
- ✓ Remove Hydro - repellence getting a higher compatibility with digital ink
- ✓ Keeping fast drying time

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	B	R	S	H	D
TENSIOJET BB 0787	••••	•	•••	••••	••
TENSIOJET BH 0774	••	••	•••	••••	•••

B: Binding effect , **R:** Dispersant effect , **S:** Levelling effect
H: Anti Hydro repellence effect , **D:** Drying speed

Weak : •
Average: ••
Good : •••
Excellent : ••••

Storage and handling

TENSIOJET B are stable in closed container and in conditions at which extreme temperatures are avoided. The products can be stored between 5°C and 40°C and its shelf life is guaranteed for at least 12 months.

Packaging

50 - 200 Kg drums , 1000 kg tanks

Material safety

Safety information can be found in our safety data sheet, available according to ECC.