



Lamberti

TENSIOJET B – THE MULTIFUNCTIONAL SOLUTION FOR GLAZES

TENSIOJET B is a blend of additives with different properties developed to be integrated into the tile glazing process.



The traditional approach:

Historically , following old term habits , the glazing line has always been the place where many additives are added to obtain the final working parameters.

This traditional pattern brings some possible hurdles as:

- human mistake during addition
- time consumption
- difficulties in detecting and solving problems (too much variables involved)

TENSIOJET B, a new approach for the glazing line:

Tensiojet B series has been thought to review this approach focusing on optimization and has been developed to be integrated into the tile glazing process.

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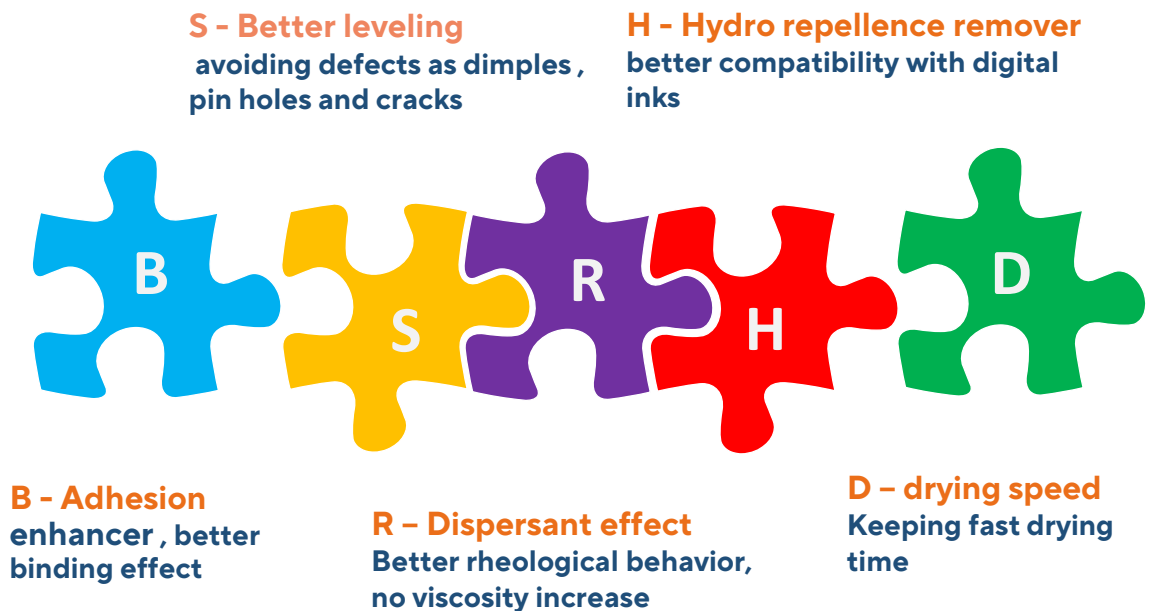


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TENSIOJET B series gives several advantages with a view to the optimization and digitization of the glazing line, specifically TENSIOJET B acts in:

- Helping the glaze process in time saving
- Bringing to optimization of additives
- Reducing human mistake rate
- Giving several options in solving technical problems
- Promoting a synergic action of different properties
- Gather the attention on the new ceramic technologies and features

TENSIOJET B are blend of additives where several key properties merge:



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Five groups of Tensiojet B have been created; each group has excellent performance in one property , thus we have :

- TENSIOJET BB - excellent binding and levelling effects lead to a smooth glaze surface with no defects.
- TENSIOJET BH - efficient hydro repellence reducer helps in managing solvent borne digital inks.
- TENSIOJET BD - faster drying glaze, often, is the key when the glazing line feature can't be changed.
- TENSIOJET BS - the levelling ability of the surface tension reducer improved the glaze surface quality.
- TENSIOJET BR - keeping the viscosity and the foam formation under control is necessary for stable product quality.

The following layout helps in screening which group can be suitable for a given situation and /or problem:

	Binding effect B	Anti Hydro repellence effect H	Drying speed D	Levelling effect S	Dispersant effect R
TENSIOJET BB	●●●● TOP	●●●	●●	●●●	●
TENSIOJET BH	●●	●●●● TOP	●●●	●●●	●●
TENSIOJET BD	●●	●●●	●●●● TOP	●●●	●●●
TENSIOJET BS	●●	●●	●●●	●●●● TOP	●●●
TENSIOJET BR	●●	●●●	●●	●●	●●●● TOP

Weak : ●
Good : ●●●

Average: ●●
Excellent : ●●●●

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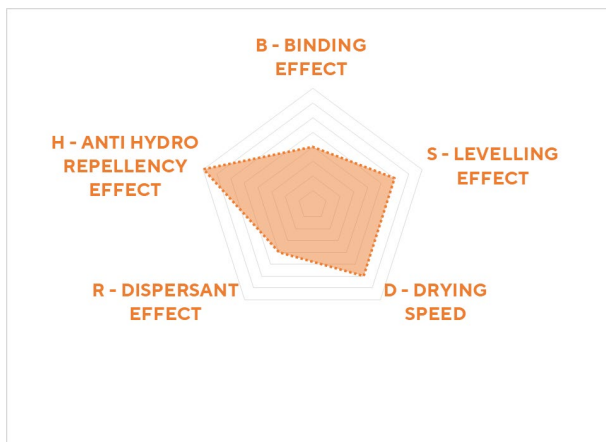
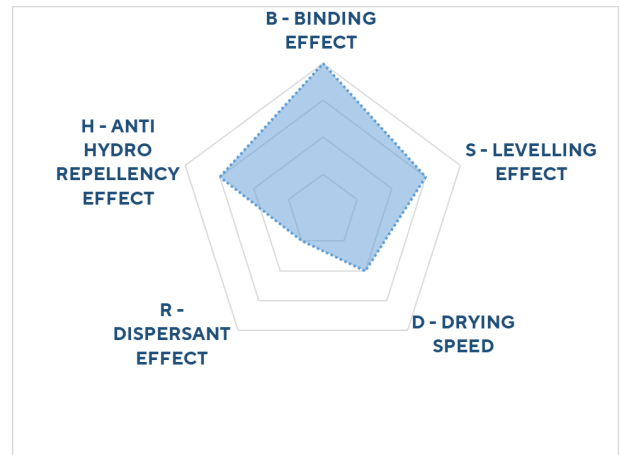
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TENSIOJET BB - "the strong"

Tensiojet BB, thanks to a particular combination of plasticizers and surfactants, promotes excellent compactness and smooth surface.

It can be introduced in the liquid glaze either before or after the digital printing. It's suitable mainly for glaze applied by airless and disk.

Normally the dosage ranges between 0,4 up to 1% on the dry glaze amount.



TENSIOJET BH - "the compatible"

Tensiojet BH are highly appreciated for their two main specific abilities: drying time and Hydro repellence control.

The contact between water borne glaze and solvent borne inks triggers a physical reaction due to low compatibility. An efficient hydro repellence reducer create a "compatibility bridge" solving the

problem, even at low dosage.

Tensiojet BH can be added in the glaze before or after the digital decoration and it's suitable mainly for glaze applied by airless and disk.

Typical Dosage: 0,05 ÷ 0,30 % on the dry glaze amount.

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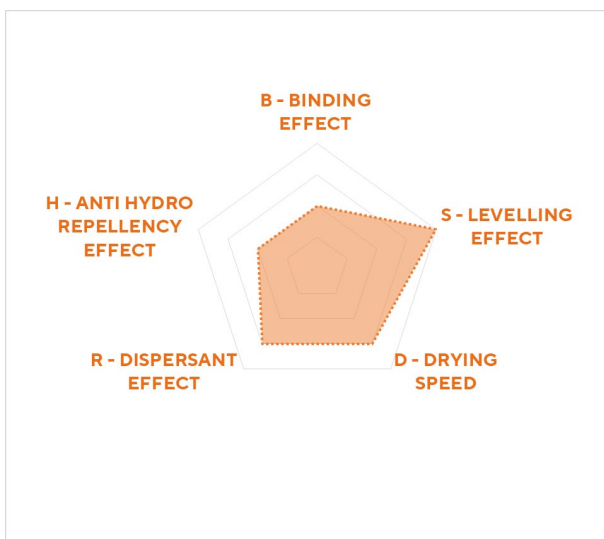
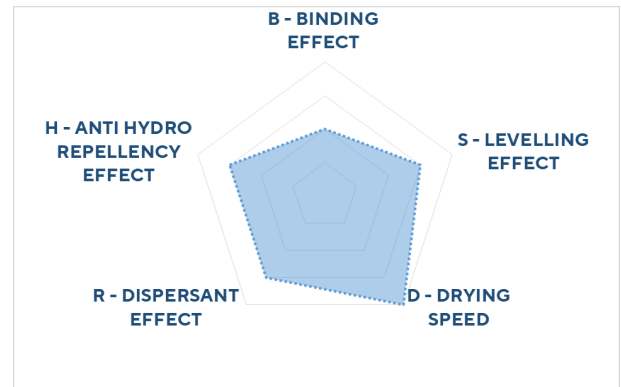
TENSIOJET BD - "the fast"

Tensiojet BD is a key product when a faster drying time is requested; the high content of surfactants ensure hydro repellence control and smooth surface.

Tensiojet BD applied before digital printing can be a useful solution when the layout of the glazing line can't be adapted /changed.

It's recommended to use Tensiojet BD for glaze applied by disk and airless.

Typical dosage : 0,10 ÷ 0,50 % on the dry glaze amount.



TENSIOJET BS - "the smooth"

Levelling ability is the most important property of Tensiojet BS, a key factor to get excellent surface quality especially for production with a final top glaze.

Tensiojet BS can be successful, thanks to its combination of surfactants and tension reducers, that allows the glaze to be applied and get spread properly on the tile. Tensiojet BS can be use either for glaze applied by airless /disk or for Bell / Vela.

Normally the dosage can vary between 0,05 up to 0,5 % on the dry glaze amount.

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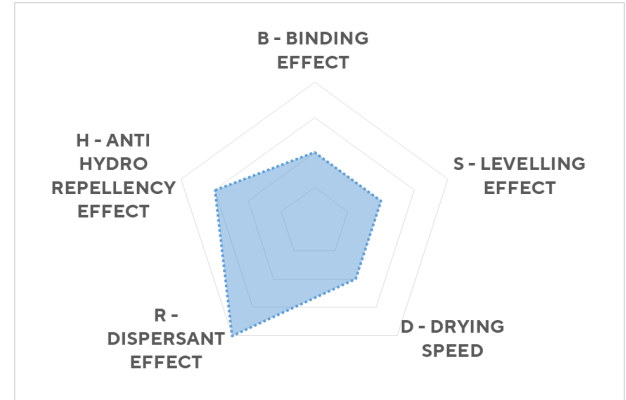


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TENSIOJET BR - "the dispersant"

Tensiojet BR gives the technician the possibility to control the viscosity and hydro repellency in one step ; all aspects that help in getting a stable tile production .

Furthermore , a dispersant action permits to down/reduce the foam formation , usual problem in handling ceramic slips and glazes.



It's recommended to use Tensiojet BR for glaze applied by disk and airless .
Typical dosage : 0,10 ÷ 0,50 % on the dry glaze amount.

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