



# Tixosol AM 08

## Chemical description

Natural and synthetic polymers.

## Main use

Liquid rheological additive and binder for ceramic glazes

## Typical values

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Appearance: Yellowish viscous liquid

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pH (2 % solution): 5 - 8

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Viscosity (2% solution, Brookfield RVT @ 20 °C, 25 rpm): 10000 – 30000 cP

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Active content: 32 – 34%

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## Product properties

TIXOSOL AM 08 is a binder and rheological modifier for ceramic glazes. It is suitable both for manual and automated glazing systems.

TIXOSOL AM 08 confers to the glaze the following properties:

- a rheology (pseudoplastic behaviour) suitable for the application on vertical or strongly sloping surfaces, avoiding dropping and straining problems
- an high suspending action, to avoid glaze sedimentation in tank and pressurised reservoir, and to have an homogeneous distribution of pigments in coloured glazes
- an excellent binding action, in order to obtain a good glaze-keeping, avoiding crawling and dusting
- a very short drying time, suitable to the fastest automated glazing system
- a good stability of viscosity and other characteristics of the glaze

TIXOSOL AM 08 may be prone to bacterial attack, therefore it is advisable to use a proper preservative (i.e. Carbosan series)

Finally TIXOSOL AM 08 is the ideal additive for sanitaryware, but also for extruded and moulded ware which have vertical surfaces during glazing (klinker, insulators, large items, etc.) as the combustion is fast already at low temperatures.

[ceramics.lamberti.com](http://ceramics.lamberti.com)

## Applications

TIXOSOL AM 08 must be added directly in the glaze after having discharged it from the mill. It takes normally 10-20 minutes to have a proper dispersion using an high speed stirrer, while the viscosity in the glaze is completely developed after 1-3 hours.

A standard dosage of TIXOSOL AM 08 is 0.4-0.9 % on the glaze solid matter.

## Storage and handling

TIXOSOL AM 08 can be stored for a period of at least 6 months under condition where extreme temperature do not occur.

In order to maintain the performance of the product, store at room temperature and protect from frost.

A partial separations of the products components is possible after a period of storage, but the product becomes homogeneous again after a quick stirring.

## Packaging

50 plastic drums.

## Material safety

Consult the Safety Data Sheet