

# GIESSFIX G 1

## Dispersing agent for glazes and engobes



### Chemical basis:

Sodium phosphate

### Characteristics:

Appearance: white powder  
Solubility: water-soluble  
Bulk density: approx. 1000 g/l  
pH (1 %): approx. 9

### Shelf-life / Packaging:

12 months if stored properly and dry  
bags of 25 kg

### Application:

GIESSFIX G 1 is suitable for the deflocculation of various glazes and engobes used in the bricks industry. This dispersing agent allows the production of glaze and engobe slips with a high solids content. The slips are stable in viscosity and show Newton flow behaviour. This leads to optimum preparation properties for usual application procedures in the bricks industry (spraying, double disk application or robot glazing).

GIESSFIX G 1 should be added at the beginning of the slip preparation either to the mill or dissolver. On account of their different compositions, glazes and engobes react very differently to various dispersing agents. Therefore, it is necessary to run preliminary tests in order to determine the most effective deflocculant with its optimum dosage. Here, further DOLAPIX and GIESSFIX- types are available.

For glazes and engobes used in the bricks industry, an addition quantity of 0.05 - 0.3 % of GIESSFIX G 1 has proved successful, related to the solids content of the body.

Other important preparation properties of the slip, such as for example rheology, binding, drying time, sedimentation and preservation, are optimised by using others of our glaze additives, such as PEPTAPON, OPTAPIX and STELLMITTEL types.

Please note that when using GIESSFIX G 1 in stock solutions, glazes and/or body slips, antibacterial biocide use is strongly recommended. Consequently, the dosage needs to be adapted to the process conditions.

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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Adequate products and their specific application instructions can be found on our homepage [www.zschimmer-schwarz.com](http://www.zschimmer-schwarz.com) or will be sent to you upon request.

GISSFIX G 1 is well compatible with all above mentioned glaze additives at any ratio.

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