

# GISSFIX PT 91

## Dispersing agent / deflocculant



### Chemical basis:

Preparation of phosphonates

### Characteristics:

Appearance:	white granulate
Active matter:	approx. 85%
Solubility:	water-soluble
Bulk density:	approx. 900g/l
pH (1%):	approx. 11.5

### Shelf-life / Packaging:

12 months when stored properly and dry  
bags of 25 kg

### Application:

GISSFIX PT 91 is suitable for the deflocculation of bodies of differing compositions. It makes it possible to prepare slips with a high solids content and low viscosity.

The deflocculation effect of GISSFIX PT 91 is a result, on the one hand, of cation exchange of the additive with the ceramic body, and the influence on the electrical double layer of the clay mineral particles that is associated with this. On the other hand, it has complexing effect on metal ions and thus can bind Mg- or Ca-ions which disturb the deflocculation.

The deflocculating effect of GISSFIX PT 91 can be optimised by combination with other deflocculants, such as for example GISSFIX ZS.

Since, on account of their differing mineralogical composition, raw materials react very differently to various deflocculants and the amounts added, we recommend comparative trials.

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.