



# GISSFIX SPT 53

## Dispersing agent and deflocculant



### Chemical basis:

Silicate preparation

### Characteristics:

Appearance:	clear to slightly hazy, yellowish liquid
Active matter:	approx. 42 %
Solubility:	miscible with water
Density (20 °C):	approx. 1500 g/l
pH (original):	> 12.0
Viscosity (20 °C):	approx. 144 mPas

### Shelf-life / Packaging:

6 months if stored under proper conditions  
drums of 30, 125 and 1000 kg

### Application:

GISSFIX SPT 53 is suitable for the deflocculation of bodies of different compositions. It allows the production of slips with high solids contents and low viscosity.

Since the product is liquid and is thus completely dissociated, the deflocculating effect commences immediately after addition to the slip. Hence, it is possible at any time to adjust the viscosity of the slip by rapid, homogeneous incorporation into the slip.

The deflocculating effect of GISSFIX SPT 53 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 body particles that is associated with this. On the other hand, it has complexing effect on metal ions and thus can bind Mg- and Ca-ions which disturb the deflocculation.

The deflocculating effect of GISSFIX SPT 53 can be optimised by combination with other deflocculating agents, such as GISSFIX ZS.

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.