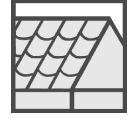


GISSFIX C 91

Dispersing agent/deflocculant



Chemical basis:

Phosphate-silicate preparation

Characteristics:

Appearance: white powder
Solubility: water-soluble
Bulk density: approx. 1200 g/l
pH (1%): approx. 12
Residue on ignition: approx. 96 %

Shelf-life / Packaging:

12 months when stored properly and dry
drums 25 kg

Application:

GISSFIX C 91 is a highly effective deflocculating agent. Its special composition, made up of phosphates and silicates, makes this additive very effective for various clay minerals. Hence, it is very suitable for many raw materials that are difficult to deflocculate. Therefore, the production of slips with a high solids content is possible.

The deflocculating effect of GISSFIX C 91 is a result of the 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.

GISSFIX C 91 contains no organic compounds, so that it is particularly suitable for the deflocculation of rapid-firing bodies.

The product has been modified to reduce the proportion of fine dust to such an extent that any irritation of the respiratory tract is minimized.

The amount that must be added varies between 0.1 and 0.5% of the solids content of the slip.

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

Phosphate compounds destroy the capillary effect of plaster moulds. GISSFIX C 91 is, therefore, not suitable for the manufacture of slips to be casted in plaster moulds.

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.