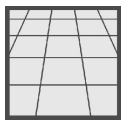
GIESSFIX T 24

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. 95 %

Shelf-life / Packaging:

12 months if stored properly and dry
bags of 25 kg

Application:

GIESSFIX T 24 is a highly effective deflocculating agent. It's 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 high solids content is possible.

The deflocculating effect of GIESSFIX T 24 results from the cation exchange of the additive with the ceramic body, and the influence on the electrical double layer of the clay minerals particles that is associated with this.

GIESSFIX T 24 contains no organic compounds, so that it is particularly suitable for the de-flocculation 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 ranges between 0.1 and 0.5 % of the solids content of the slip. Since, on account of their differing mineralogical composition, ceramic raw materials react very differently to various deflocculants, we recommend comparative trials.

Phosphate compounds destroy the capillary effect of plaster moulds. For this reason GIESSFIX T 24 is not suitable for the production of slips that are to be cast in plaster moulds.

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Note:
This product is hygroscopic. Hence, lumps can form after prolonged storage. This does not adversely affect it's effectiveness.

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