

DOLAFLUX SP 11

Dispersing agent/deflocculant



Chemical basis:

Huminate-silicate preparation

Characteristics:

Appearance: dark grey powder
Solubility: water-soluble
Bulk density: approx. 600 g/l
pH (1 %): approx. 12
Residue on ignition: approx. 54 %

Shelf-life / Packaging:

12 months when stored properly and dry
bags of 20 kg

Application:

DOLAFLUX SP 11 can be used for the deflocculation of various raw materials and bodies of differing composition. After deflocculation with this dispersing agent the bodies usually exhibit a high solids content. The generally broad deflocculation interval is able to compensate for raw material variations.

In the case of casting slips, the appropriate dosage of the additive makes it possible to regulate the casting time of the slip in the plaster mould. Thixotropic phenomena and the formation of streaks associated with them can thus be avoided.

Casting slips containing DOLAFLUX SP 11 cause the plaster moulds to become brown in colour. However, the moulds are not attacked any more aggressively than with other deflocculants.

The deflocculating effect of DOLAFLUX SP 11 is achieved by cation exchange of the additive with the ceramic body and the associated influence on the electrical double layer of the clay mineral particles. The product is also surface-active by virtue of the components it contains. This combination of effects leads to a good breakdown of the raw materials in a relatively short time. It is associated with an increase in the green and dry breaking strength in many cases.

The amount of DOLAFLUX SP 11 added varies between 0.1 and 0.5 % of the solids content.

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.

Issued: 10. October 2013

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