DOLAPIX CE 64

Dispersing agent / Deflocculant

Chemical basis:
Carboxylic acid preparation

Characteristics:
Appearance: yellowish liquid
Active matter: approx. 65 %
Solubility: water-miscible
Density (20 °C): approx. 1.20 g/cm³
pH (original): approx. 7
Residue on ignition: max. 0.1 %

Safety data:
Labelling according to EC directives: not relevant

Shelf-life / Packaging:
12 months under proper conditions
drums of 30 and 150 kg, containers of 1100 kg

Application:
DOLAPIX CE 64 is an organic deflocculating agent, that is free from alkali. It does not foam.

DOLAPIX CE 64 makes it possible to produce slips with a high solids content and is, therefore, particularly suitable for deflocculation before spray drying.

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

DOLAPIX CE 64 can be employed in combination with the conventional temporary binders, such as polyvinyl alcohols, polymer dispersions, polysaccharides, cellulose derivatives and others (OPTAPIX types).

The deflocculation effect of DOLAPIX CE 64 is a result of interaction between the bivalent functional groups of the additive and the surface charge of the ceramic particles. The absorption onto the particles that is associated with this effects a decrease in the slip's viscosity.

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

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.

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Note:
A yellow to brown coloration can be produced under the effect of light. This does not affect the activity of the deflocculant adversely.

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