



DOLAPIX CA

Dispersing agent / Deflocculant

Chemical basis

Synthetic polyelectrolyte

Characteristics

Appearance	yellowish liquid
Active matter	approx. 25 %
Solubility	water-miscible
Density (20 °C)	approx. 1.1 g/cm ³
pH (original)	approx. 8.5
Residue on ignition	max. 0.1 %

Shelf-life / Packaging

12 months under proper conditions | drums of 30 and 140 kg, containers of 1000 kg

Application

DOLAPIX CA is an organic deflocculating agent, that is free from alkali. It does not foam. It 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 at any time to adjust the viscosity of the slip by rapid, homogeneous incorporation into the slip.

DOLAPIX CA 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 CA is a result of electrochemical interaction between the functional groups of the additive and the surface of the ceramic particles. The absorption onto the particles effects a decrease in the slip's viscosity on account of the shielding of the particles against each other.

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

Note

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

