

# DOLAPIX PC 75

## Dispersing agent / Deflocculant



### Chemical basis:

Synthetic polyelectrolyte

### Characteristics:

Appearance: colourless - yellowish liquid  
Active matter: approx. 25 %  
Solubility: water-miscible  
Density (20 °C): approx. 1.10 g/cm<sup>3</sup>  
pH (original): approx. 8.5  
Residue on ignition: max. 0.1 %

### Shelf-life / Packaging:

12 months under proper conditions  
drums of 30 and 145 kg, containers of 1000 kg

### Application:

DOLAPIX PC 75 is an organic deflocculating agent, that is free from alkali. It does not foam. DOLAPIX PC 75 makes it possible to produce slips with a high solids content and is particularly suitable for the deflocculation before spray drying. Since the product is liquid and is thus completely dissociated, the deflocculating 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 PC 75 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 PC 75 is a result of electrochemical interaction between the functional groups of the additive and the surface of the ceramic particles. The absorption on 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.

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.