



# 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. 1.20g/cm <sup>3</sup>
pH (original)	approx. 7
Residue on ignition	max. 0.1 %

### 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 at 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 and 0.5 % of the solids content of the slip.

### Note

A yellow to 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.  
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