



DOLAPIX PC 67

Dispersing agent / Deflocculant

Chemical basis

Polycarboxylic acid, sodium salt

Characteristics

Appearance	yellowish brown liquid
Active matter	approx. 43 %
Solubility	water-miscible
Density (20 °C)	approx. 1.30 g/cm ³
pH (original)	approx. 8
Residue on ignition	approx. 15 %

Shelf-life / Packaging

12 months under proper storage conditions | drums of 30 and 150, containers of 1100 kg

Application

DOLAPIX PC 67 is suitable for the deflocculation of abrasive tool bodies. It makes it possible to prepare slips with a high solids content. DOLAPIX PC 67 has a broad deflocculation interval and counteracts thixotropy. It does not foam.

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.

The deflocculating effect of DOLAPIX PC 67 is a result, on the one hand, of cation exchange of the additive with the ceramic body, and the influence on the electrical double layer of the mineral particles that is associated with this. On the other hand, the polymer chains attach themselves to the clay mineral particles, and thus effect a steric repulsion.

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

Since, on account of their differing mineralogical composition, raw materials react very differently to various deflocculants and the amounts added, we recommend comparative trials.

