

DOLAPIX SPC 45

Dispersing agent / Deflocculant



Chemical basis:

Silicate-polycarbonate preparation

Characteristics:

Appearance:	yellowish liquid
Active matter:	approx. 43 %
Solubility:	water-miscible
Density (20 °C):	approx. 1.50 g/cm ³
pH (original):	approx. 12.5
Viscosity (20 °C):	approx. 200 mPas

Shelf-life / Packaging:

12 months under proper and frost-free conditions
drums of 30 and 150 kg, containers of 1100 kg and tank trucks

Application:

DOLAPIX SPC 45 is suitable for the deflocculation of bodies of varying compositions. It permits the preparation of slips of high solids content and low viscosity.

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 SPC 45 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 clay mineral particles, that is associated with this. On the other hand, the polymer chains attach themselves to the clay mineral particles and so effect a steric repulsion.

The amount to 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.

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.