

KERAFLOC K 4060

Flocculating agent



Chemical basis:

Modified starch

Characteristics:

Appearance:	yellowish granules
Solubility:	water-soluble
Viscosity (10%):	approx. 300mPas
Bulk density:	approx. 600g/l
pH (original):	approx. 7
Ionogeneity:	cationic

Shelf-life / Packaging:

12 months under proper conditions
bags of 20 kg

Application:

KERAFLOC K 4060 is a flocculating agent based on modified starch. It is mainly used for the flocculation of colloidal silicic acid dispersions (e.g. LITHOSOL 1530) for the production of vacuum moulded ceramic fibres.

KERAFLOC K 4060 disposes of reactive groups which are absorbed by the surfaces of dispersed particles and fines. The interaction between the polymer chains of the flocculent and the solids particles is a result of the loading exchange and the associated destabilisation. Increasing cross linkings are formed between the individual particles, which leads to the flocculation.

The amount to be added generally ranges between 5 and 10%, related to the quantity applied of the colloidal silicic acid dispersion. In order to reinforce and to accelerate the effect of KERAFLOC K 4060 it is added as an aqueous solution (e.g. 10%).

Due to their differing composition, the dispersions to be dewatered or respectively the fibre slurries react very differently. Therefore, the optimum addition must be determined by 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.