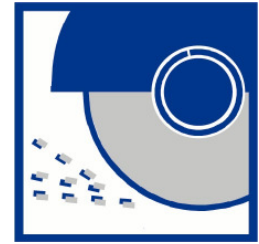


# Deflocculants and dispersants



## DOLAPIX

### Application

Through the use of deflocculants and dispersants, the **rheology of a slip can be influenced in the desired manner**. During the preparation of casting bodies for the manufacture of grinding wheels, an **optimal rheological behaviour without sedimentation** is required. In some cases, the additional use of suspension stabilizers may be an advantage.

### Mode of action

The deflocculants and dispersants offered for the grinding wheel sector are **based on polycarboxylic acid preparations**. A charge compensation is achieved through an **ion exchange**, thus leading to a **steric repulsion between the components suspended**. The viscosity of the slip or respectively the **effectiveness of the deflocculants is dependent** on various parameters, such as for example:

- **solids content**
- **kind of raw material**
- **water hardness**
- **particle shape**
- **particle size distribution**
- **agglomeration**

As there is a wide variety of the above mentioned influencing factors, it is necessary to **adjust each slip to the desired viscosity values by means of deflocculation tests**.

Detailed description on how to determine the most suitable deflocculant and its optimal addition quantity for each individual application is given in our **special information „Testing bodies for their deflocculation behaviour“**.