

## KAM-DCA 190

VOC- and solvent-free high molecular weight dispersion control additive for waterborne coating systems, printing inks and adhesives.

It is ideal for the preparation of resin-free pigment concentrates with no or low VOCs.

Suitable for all kinds of pigments.

### Technical Specifications

Composition	:	Block copolymer with pigment affinic groups
Solvent(s)	:	Water
Specific gravity @ 20°C	:	ca. 1.06 g/cm <sup>3</sup>
Acid value	:	10 mg KOH/g
Appearance	:	Clear yellowish liquid
Active matter	:	40%

### Applications

**KAM-DCA 190** deflocculates pigments and stabilizes them by means of steric hindrance.

As a result of the small particle sizes of the deflocculated pigments, high levels of gloss and improved color strength can be achieved. The transparency is drastically increased and the viscosity noticeably reduced.

**KAM-DCA 190** is suitable for all kinds of pigments in waterborne industrial coatings and printing inks as well as for pigment concentrates (especially resin-free types).

Key benefits when using **KAM-DCA 190**:

- Effective stabilization of all kinds of pigments
- Solvent- and label-free
- More transparency in the final application
- Drastically reduced viscosity of the mill-base

**KAM-DCA 190** should be incorporated in the mill base before adding the pigments.

Amount of additive based upon pigment can be determined as follows:

Titanium dioxide	:	10% of <u>oil absorption value</u> or 8-18% (as supplied)
Inorganic pigments	:	12% of <u>oil absorption value</u> or 20-35% (as supplied)
Organic pigments	:	20-45% of <u>BET value</u> or 35-70% (as supplied)
Carbon blacks	:	20-30% of <u>DBP value</u> 40-110% (as supplied)

### Storage, Safety and Packaging

To be stored in a cool dry place and handled in accordance with good industrial practice.

When kept in an original unopened container, it will keep up to min. 4 years from the date of manufacture.