

Product

Kimicell KEC100000B is nonionic, water soluble Hydroxyethyl cellulose used as high efficient thickener for water-base paints. It is bio-stable grade, offering better resistance to enzymatic and chemical degradation, which bring a more stable viscosity.

Specifications

Appearance:	off-white powder
Particle size:	98 % < 180 µm
Bulk density:	0.35~0.61g/cm ³
Softening point:	135~140°C
Decomposition point:	205~210°C
Solution in cool & neutral water	20-30 min.

Typical Properties

Molar substituting on degree (MS)	2.0~2.5
Moisture	6.0% max
pH value	6.0~8.5
Residue on ignition	6.0% max
Viscosity at 20°C (2% solution, mPa.s) (Brookfield RV 20RPM, Sp.6,)	40000-52000

Applications

Kimicell KEC100000B is used as thickener, in all kinds of latex paints. It increases products' viscosity, thickening the paint and enhancing coverage. It also provides good water retention, rheology and colloid protection, especially when used in those solutions where a nonionic material is desired.

Normal dosage is 0.4-0.8% calculated on the total paint weight. In order to facilitate dispersion in water, it is better to give a pH-dependent dissolving, and add KEC100000B to neutral or slightly acid water. The dissolving process can be speeded up in alkaline solution. There will be a risk of lump formation if it dissolves too fast under alkaline pH conditions.

Packaging & storage

Packed in 25kg compound paper bag with an inner PE bag, palletized and shrink wrapped.

Keep it in cool, dry and clean conditions in its original packing, and avoiding direct sunshine. Opened sacks should be used promptly to avoid the moisture absorption.

The above information are based on our current experience and offered merely for your reference. They do not release the consumer from making tests and determining the suitability for his own processes and applications. Kimix makes no other warranties and assumes no liability, expressed or implied.