Akzo Nobel
Functional Chemicals AB
Cellulosic Specialties

Product Information

AkzoNobel
Tomorrow's Answers Today

Bermocoll EHM Extra

Bermocoll EHM Extra is an associative non-ionic, water-soluble cellulose ether that improves the rheological properties of water based paints.

Specifications

Bermocoll EHM Extra is a specialty hydrophobically modified ethyl hydroxyethyl cellulose.

Physical data

Appearance	off white powder
Particle size	98 % < 500 µm
Water content	max 4 %
Salt content	max 6 %

Characteristics of aqueous solutions

Solution appearance	opaque
pH (1 % solution)	neutral
Surface activity	weak
Viscosity at 20°C (Brookfield LV)	
1 % solution	250 to 450 mPa·s

Applications

Bermocoll EHM Extra can be used as a thickener in all types of latex paints, both in interior and exterior formulations. Bermocoll EHM Extra improves high shear viscosity, roller spatter, flow and leveling. Bermocoll EHM Extra offers enhanced color and heat stability, good color acceptance with minimal flocculation even when the most problematic colorants are used. Normal dosage is 0.1 to 0.8%, calculated on the total paint weight.

In order to facilitate dispersion in water, Bermocoll EHM Extra has been treated to give a pH-dependent dissolving. It should be added to neutral or slightly acid water. To speed up the dissolving process, pH should be increased to above 8 by using alkaline ingredients such as ammonia or alkaline pigment dispersants.

If adjustment of the final paint viscosity is necessary, a highly concentrated slurry either in water or in an organic solvent should be used. It is not recommended to add the product as a dry powder after pigment grinding, due to the risk of lump formation at alkaline conditions.

Packaging and storage

Bermocoll EHM Extra is packed in multiply paper bags with an inner polyethylene bag. Net weight 20 kg or 50 lbs bags are available. We recommend emptying the bags from the bottom. The empty bags can be recycled or burned. Unopened bags of Bermocoll EHM Extra can be stored for several years in a cool, dry place. In opened bags, the moisture content of Bermocoll EHM Extra will be influenced by the air humidity.

At temperatures above 250°C (480°F), charring of Bermocoll EHM Extra will occur. At high temperatures and in contact with an open flame, Bermocoll EHM Extra will burn slowly with the characteristics of cellulose.

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