

Bermocoll EHM Extra

Methyl ethyl hydroxyethyl cellulose

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

Specifications

Appearance	Off-white powder
Particle size	98 % ≤ 500 µm
Salt content	≤ 6 %
Water content	≤ 4 %

Characteristics

pH, 1% solution	5-7
Solution appearance	Opaque
Surface activity	Weak
Viscosity at 20 °C (Brookfield LV), 1% solution	250-450 mPa.s

Notes:

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

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.

Storage

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.

Packaging and transport

Like many industrial processed powdery materials, cellulose ether dusts are combustible and can cause dust explosions. Dust formation must be avoided or kept to a minimum. Care should be taken to prevent ignition from heat, spark, open flames or hot surface. Bermocoll® EHM Extra is packed in polyethylene bags. Net weight 20 kg bags are available. We recommend emptying the bags from the bottom. The empty bags can be recycled or burned.

Safety and handling

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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