

Bermocoll EBM 10 000

Methyl ethyl hydroxyethyl cellulose

BERMOCOLL EBM 10 000 is a non-ionic, water soluble cellulose ether with enhanced enzyme resistance. It improves the consistency, the stability, and the water retention of water based products.

Specifications

Appearance	Whitish powder
Particle size	98 % \leq 500 μ m
Salt content	\leq 6 %
Water content	\leq 4 %

Characteristics

pH, 0.5% solution	5-7
Surface activity	Weak
Viscosity at 20 °C (Brookfield LV), 1% solution	10 000-15000 mPa.s

Notes:

BERMOCOLL EBM 10 000 is a high viscosity grade of methyl ethyl hydroxyethyl cellulose.

Applications

BERMOCOLL EBM 10 000 is used in latex paints for efficient thickening and stabilizing effects, particularly when high storage viscosity combined with low application viscosity is required. Normal dosage is 0.2 - 0.7 % calculated on the total paint weight. BERMOCOLL EBM 10 000 is easily dispersed in cold water of pH 7 or less. BERMOCOLL EBM 10 000 can form lumps when added to an alkaline liquid. To avoid this, it should be added as a ready stock solution, as a slurry in slight acid water or in an organic solvent, or as a dry mix with other powder materials. The dissolving time after dispersion is influenced by the water pH. Alkaline additives can be used to speed up the dissolving process.

Storage

In unopened bags, BERMOCOLL EBM 10 000 can be stored for several years. In opened bags, the moisture content of BERMOCOLL EBM 10 000 will be influenced by the air humidity. At the temperatures above 250,°C (480,°F), charring of BERMOCOLL EBM 10 000 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 EBM 10 000 is packed in polyethylene plastic bags. Net weight 20 kg. 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 EBM 10 000 will burn slowly with the characteristics of cellulose.

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