

# Bermocoll EBM 13000

Methyl ethyl hydroxyethyl cellulose

Bermocoll® EBM 13000 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 % ≤ 500 µm
Salt content	≤ 6 %
Water content	≤ 4 %

## Characteristics

pH, 0.5% solution	5-7
Surface activity	Weak
Viscosity at 20 °C (Brookfield LV), 1% solution	11 000-15000 mPa.s

### Notes:

Bermocoll® EBM 13000 is a high viscosity grade of methyl ethyl hydroxyethyl cellulose.

## Applications

Bermocoll® EBM 13000 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 13000 is easily dispersed in cold water of pH 7 or less. Bermocoll® EBM 13000 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 13000 can be stored for several years. In opened bags, the moisture content of Bermocoll® EBM 13000 will be influenced by the air humidity. At the temperatures above 250,°C (480,°F), charring of Bermocoll® EBM 13000 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 13000 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 13000 will burn slowly with the characteristics of cellulose.

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