Bermocoll EBM 1000

Bermocoll® EBM 1000 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, 1% solution	5-7
Surface activity	Weak
Viscosity at 20 °C (Brookfield LV), 1% solution	500-800 mPa.s

Notes:
Bermocoll® EBM 1000 is a low viscosity grade of methyl ethyl hydroxyethyl cellulose.

Applications

Bermocoll® EBM 1000 is used in latex paints for 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 1000 is easily dispersed in cold water of pH 7 or less. Bermocoll® EBM 1000 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 1000 can be stored for several years. In opened bags, the moisture content of Bermocoll® EBM 1000 will be influenced by the air humidity. At the temperatures above 250,°C (480,°F), charring of Bermocoll® EBM 1000 will occur.

Packaging and transport

Like many industrial 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 1000 is packed in a polyethylene bag. Net weight 20 kg. We recommend emptying the bags from the bottom. The empty bags can be recycled or burned. In unopened bags, Bermocoll® EBM 1000 can be stored for several years. In opened bags, the moisture content of Bermocoll® EBM 1000 will be influenced by the air humidity.At the temperatures above 250,°C (480,°F), charring of Bermocoll® EBM 1000 will occur. At high temperatures and in contact with an open flame, Bermocoll® EBM 1000 will burn slowly with the characteristics of cellulose.

Safety and handling

At high temperatures and in contact with an open flame, Bermocoll® EBM 1000 will burn slowly with the characteristics of cellulose.

For more information, please visit our website at www.nouryon.com.