Bermocoll Prime 3500

Methyl ethyl hydroxyethyl cellulose

Bermocoll® Prime 3500 is a non-ionic, water soluble cellulose ether with enhanced enzymatic resistance. and superior colour stability. It improves the consistency, the stability, and the water retention of water based paints.

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	3000-4000 mPa.s

Notes:
Bermocoll® Prime 3500 is a high viscosity grade of methyl ethyl hydroxyethyl cellulose.

Applications

Bermocoll® Prime 3500 can be used as a rheology modifier in all types of latex paints. Bermocoll® Prime 3500 is recommended when high in-can as well as enhanced application viscosity is required. Bermocoll® Prime 3500 offers enhanced colour and heat stability, and provides excellent colour acceptance even with colorants that are known to be problematic. Normal dosage is 0.2 - 0.7 % calculated on the total paint weight.Bermocoll® Prime 3500 is easily dispersed in cold water of pH 7 or less. Bermocoll® Prime 3500 can form lumps when added to an alkaline liquid. To avoid this, it should be added as a ready stock solution, as 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® Prime 3500 can be stored for several years. In opened bags, the moisture content of Bermocoll® Prime 3500 will be influenced by the air humidity. At the temperatures above 250 °C (480 °F), charring of Bermocoll® Prime 3500 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 surfaces.Bermocoll® Prime 3500 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® Prime 3500 will burn slowly with the characteristics of cellulose.

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