

# Bermocoll EHM 200

Ethyl hydroxyethyl cellulose

Bermocoll® EHM 200 is an associative non-ionic, water-soluble cellulose ether that improves the rheological properties of water based paints.

## Specifications

Appearance	Whitish powder
Particle size	98 % ≤ 500 µm
Salt content	≤ 4.5 %
Water content	≤ 4 %

## Characteristics

pH, 1% solution	5-7
Solution appearance	Opaque
Surface activity	Weak
Viscosity at 20 °C (Brookfield LV), 1% solution	≥ 350 mPa.s

### Notes:

Bermocoll® EHM 200 is a hydrophobically modified ethyl hydroxyethyl cellulose.

## Applications

Bermocoll® EHM 200 is used as a thickener in all types of latex paints, intended for interior as well as for exterior use. Bermocoll® EHM 200 improves high shear viscosity, roller spatter, flow and levelling. Bermocoll® EHM 200 has a high resistance to enzymatic degradation. Normal dosage is 0.3 - 0.5 % calculated on the total paint weight. In order to facilitate dispersion in water, Bermocoll® EHM 200 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. Under the alkaline pH conditions at that stage Bermocoll® EHM 200 will dissolve too rapidly with the risk of lump formation.

## Storage

In unopened bags, Bermocoll® EHM 200 can be stored for several years. In opened bags, the moisture content of Bermocoll® EHM 200 will be influenced by the air humidity. At temperatures above 250 °C (480 °F), charring of Bermocoll® EHM 200 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 200 is packed in polyethylene plastic bags. Net weight 20 kg. We recommend emptying the bags from the bottom. The empty bags can be re-cycled or burned.

## Safety and handling

At high temperatures and in contact with an open flame, Bermocoll® EHM 200 will burn slowly with the characteristics of cellulose.

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The logo for Nouryon, featuring a stylized blue 'N' followed by the word 'ouryon' in a blue sans-serif font.