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Product Information

BERMOCOLL E 351 FQ

BERMOCOLL is a non-ionic, water soluble cellulose ether. It improves the consistency, the stability, and the water retention of water based products

Specifications

BERMOCOLL is a range of medium to high viscosity grades of ethyl hydroxy ethyl cellulose.

Physical data

Appearance	whitish powder
Particle size	98 % < 425 µm
Water content	max 4 %
Salt content	max 5 %

Characteristics of aqueous solutions

pH (1 % solution)	neutral
Surface activity	weak
Viscosity at 20°C (Brookfield LV)	
2 % Solution	5,000 ± 1,000 mPa.s

Applications

BERMOCOLL is used in latex paints for thickening and stabilizing effects. Normal dosage in paints is 0.2 - 0.5 % calculated on the total paint weight.

BERMOCOLL is used in cement-based tile fix and joint mortars for improvement of workability, consistency, water retention and adhesion. Normal dosage is 0.2 - 0.7 % calculated on the dry mortar weight.

BERMOCOLL is easily dispersed in cold water of pH7 or less. BERMOCOLL 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.

Packaging and Storage

BERMOCOLL is packed in multiply paper bags with an inner polyethylene bag. Net weight 20 kg (approx 44 lbs). The empty bags can be recycled or burned. In unopened bags, BERMOCOLL can be stored for several years. In opened bags, the moisture content of BERMOCOLL will be influenced by the air humidity.

At the temperatures above 250°C (480°F), charring of BERMOCOLL will occur. At high temperatures and in contact with an open flame, BERMOCOLL will burn slowly with the characteristics of cellulose.

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