Akzo Nobel
Functional Chemicals AB
Cellulosic Specialties

Product Information

BERMOCOLL ME 1000 X

BERMOCOLL ME 1000 X is a non-ionic, water soluble cellulose ether. It improves the water retention, the consistency and the stability of water based products.

Specifications

BERMOCOLL ME 1000 X is a high viscosity grade of methyl ethyl hydroxyethyl cellulose.

Physical data

Appearance	whitish powder
Particle size	98 % < 450 µm
Water content	max 4 %
Salt content	max 6 %

Characteristics of aqueous solutions

pH (1 % solution)	neutral
Surface activity	weak
Viscosity at 20°C (Brookfield LV)	
1 % solution	10,000 - 14,000 mPa·s

Applications

BERMOCOLL ME 1000 X is used in cement-based tile fix and joint mortars for improvement of water retention, workability, consistency and adhesion. Normal dosage in mortars is 0.2 - 0.4 % calculated on the dry mortar weight.

BERMOCOLL ME 1000 X can also be used in gypsum-based glues and crack fillers. For this application, a suitable concentration is 0.3 - 0.5 %.

BERMOCOLL ME 1000 X should be admixed in dry form before the water is added. Due to its particle size BERMOCOLL ME 1000 X will dissolve rapidly after addition of water to the dry mix.

Packaging and Storage

BERMOCOLL ME 1000 X is packed in plastic bags. Net weight 20 kg (approx. 44 lbs). The empty bags can be recycled or burned. In unopened bags, BERMOCOLL ME 1000 X can be stored for several years. In opened bags, the moisture content of BERMOCOLL ME 1000 X will be influenced by the air humidity.

At temperatures above 250°C (480°F), charring of BERMOCOLL ME 1000 X will occur. At high temperatures and in contact with an open flame, BERMOCOLL ME 1000 X will burn slowly with the characteristics of cellulose.

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