

Product Information

Preliminary

BERMOCOLL[®] M 50

BERMOCOLL M 50 is a non-ionic, water soluble cellulose ether intended as a water retaining and consistency improving additive to cement based mortars. Bermocoll M 50 contains methyl, ethyl and hydroxyethyl substituents giving a unique balance between workability and strength.

Specifications

BERMOCOLL M 50 is a high viscosity grade of methyl ethyl hydroxyethyl cellulose.

Physical data

Appearance	whitish powder
Particle size	98 % < 600 µm
Water content	max 5 %
Salt content	max 6 %

Characteristics of aqueous solutions

pH (1 % solution)	6-8
Surface activity	weak
Viscosity at 20°C (Brookfield LV)	
1 % solution	4,500 – 6,000 mPa·s

Applications

BERMOCOLL M 50 is used in cement-based tile fix and joint mortars for improvement of workability, consistency, water retention and adhesion. Normal dosage in mortar is 0.3 - 0.6 % calculated on the dry mortar weight.

BERMOCOLL M 50 is intended for dry mixing with other powder materials and should not be used for direct dissolving in water.

Safety instructions, packaging and storage

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 M 50 is packed in a polyethylene bag. Net weight 15 kg. We recommend emptying the bags from the bottom. The empty bags can be recycled or burned. In unopened bags, BERMOCOLL M 50 can be stored for several years. In opened bags, the moisture content of BERMOCOLL M 50 will be influenced by the air humidity.

At the temperatures above 250°C (480°F), charring of BERMOCOLL M 50 will occur. At high temperatures and in contact with an open flame, BERMOCOLL M 50 will burn slowly with the characteristics of cellulose.

CCD 0215