Akzo Nobel
Functional Chemicals AB
Cellulosic Specialties

Product Information

BERMOCOLL BCM 050

BERMOCOLL BCM 050 is a modified non-ionic, water soluble cellulose ether, intended as a water retaining and consistency improving additive to cement based mortars. Bermocoll BCM 050 contains methyl, ethyl and hydroxyethyl substituents giving unique balance between workability and strength.

Specifications

BERMOCOLL BCM 050 is a modified low viscosity grade of methyl, ethyl hydroxyethyl cellulose.

Physical data

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

Characteristics of aqueous solutions

pH (1 % solution)	neutral
Surface activity	weak
Viscosity at 20°C (Brookfield LV)	
2 % solution	3,500 – 6,000 mPa·s

Applications

BERMOCOLL BCM 050 is used in high quality cement based tile-fix for improvement of workability, consistency, water retention and adhesion.

Normal dosage in mortar is 0,4 – 0,6 % calculated on the dry mortar weight. Bermocoll BCM 050 effectively counteracts the slip tendency of tiles. BERMOCOLL BCM 050 is intended for dry mixing with other powder materials and should not be used for direct dissolving in water.

Packaging and Storage

BERMOCOLL BCM 050 is packed in multi-ply paper bags with an inner 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 BCM 050 can be stored for several years. In opened bags, the moisture content of BERMOCOLL BCM 050 will be influenced by the air humidity.

At the temperatures above 250°C (480°F), charring of BERMOCOLL BCM 050 will occur. At high temperatures and in contact with an open flame, BERMOCOLL BCM 050 will burn slowly with the characteristics of cellulose.

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