



## Product Information

**AkzoNobel**  
Tomorrow's Answers Today

### Bermocoll ML 31

BERMOCOLL ML 31 is a modified non-ionic, water soluble cellulose ether, intended as a water retaining and consistency improving additive to cement based mortars. BERMOCOLL ML 31 contains methyl, ethyl and hydroxyethyl substituents giving a unique balance between workability and strength.

consistency, water retention and adhesion. Normal dosage in mortar is 0.3 - 0.7 % calculated on the dry mortar weight. BERMOCOLL ML31 effectively counteracts the slip tendency of tiles.

BERMOCOLL ML 31 is intended for dry mixing with other powder materials and should not be used for direct dissolving in water.

### Specifications

BERMOCOLL ML 31 is a modified high 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) 1 % solution	2,900 – 3,900 mPa·s

### Packaging and Storage

BERMOCOLL ML 31 is packed in multiply 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 ML 31 can be stored for several years. In opened bags, the moisture content of BERMOCOLL ML 31 will be influenced by the air humidity.

At the temperatures above 250°C (480°F), charring of BERMOCOLL ML 31 will occur. At high temperatures and in contact with an open flame, BERMOCOLL ML 31 will burn slowly with the characteristics of cellulose.

### Applications

BERMOCOLL ML 31 is used in cement-based tile fix and joint mortars for improvement of workability,

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