Akzo Nobel Chemicals AG
Performance Additives

Product Information

BERMOCOLL® CCA 312

BERMOCOLL CCA 312 is a modified non-ionic, water soluble cellulose ether. It improves the consistency and the water retention of gypsum and cement based plasters.

Specifications

BERMOCOLL CCA 312 is a modified high viscosity grade of ethyl hydroxyethyl cellulose.

Physical data

Appearance	whitish powder
Particle size	98 % <300 µm
Water content	max 4 %

Characteristics of aqueous solutions

pH (1 % solution)	neutral
Surface activity	weak
Viscosity at 20°C (Brookfield LV)	
1% solution	2 300 – 3 000 mPa·s

Applications

BERMOCOLL CCA 312 is used as an admixture in gypsum and cement based plasters for improvement of workability, consistency and water retention. BERMOCOLL CCA 312 prolongs the open time and effectively counteracts the sagging tendency of the plaster.

BERMOCOLL CCA 312 should be admixed to the plaster in dry form before the water is added. Normal dosage is 0.15 - 0.30% calculated on the dry mix. Due to its small particle size BERMOCOLL CCA 312 will dissolve rapidly after addition of water to the dry mix.

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 CCA 312 is packed in in a polyethylene bag. Net weight 20 kg. We recommend emptying the bags from the bottom. The empty bags can be recycled or burned. In unopened bags, BERMOCOLL CCA 312 can be stored for several years. In opened bags, the moisture content of BERMOCOLL CCA 312 will be influenced by the air humidity.

At the temperatures above 250°C (480°F), charring of BERMOCOLL CCA 312 will occur. At high temperatures and in contact with an open flame, BERMOCOLL CCA 312 will burn slowly with the characteristics of cellulose.

CCD 0614

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