Akzo Nobel
Functional Chemicals AB
Cellulosic Specialties

Product Information

BERMOCOLL CCA 470

BERMOCOLL CCA 470 is a strong modified non-ionic, water soluble cellulose ether, intended as a water retaining and consistency improving additive to gypsum based mortars.

Specifications

BERMOCOLL CCA 470 is a modified, high viscosity grade of ethyl hydroxyethyl cellulose.

Physical data

Appearance	whitish powder
Particle size	98 % < 350 µm
Water content	max 4 %

Characteristics of aqueous solutions

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

Applications

BERMOCOLL CCA 470 is used as an admixture in gypsum-based mortars. BERMOCOLL CCA 470 effectively counteracts the sagging tendency of the mortar and gives good workability.

BERMOCOLL CCA 470 ensures good water retention and gives a mortar with suitable working time. Mortars containing BERMOCOLL CCA 470 have excellent adhesion to the background. Normal dosage is 0.4 - 0.7% in mortars calculated on dry mortar weight. BERMOCOLL CCA 470 should be admixed to the mortar in dry form.

Packaging and Storage

BERMOCOLL CCA 470 is packed in multi-ply paper bags with an inner polyethylene bag. Net weight 20 kg (approx 44 lbs). We recommend emptying the bags from the bottom. The empty bags can be recycled and burned. In unopened bags, BERMOCOLL CCA 470 can be stored for several years. In opened bags, the moisture content of BERMOCOLL CCA 470 will be influenced by the air humidity.

At the temperatures above 250°C (480°F), charring of BERMOCOLL CCA 470 will occur. At high temperatures and in contact with an open flame, BERMOCOLL CCA 470 will burn slowly with the characteristics of cellulose.

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