



## Product Information

**AkzoNobel**  
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### Bermocoll E 320 G

BERMOCOLL E 320 G is a non-ionic, water soluble cellulose ether. It improves the consistency, the stability, and the water retention of water based products.

#### Specifications

BERMOCOLL E 320 G is a low viscosity grade of ethyl hydroxyethyl cellulose.

#### Physical data

Appearance	whitish powder
Particle size	98 % < 1,070 µm
Water content	max 5 %
Salt content	max 5 %

#### Characteristics of aqueous solutions

pH (1 % solution)	neutral
Surface activity	moderate
Viscosity at 20°C (Brookfield LV)	
2 % Solution	1,850 – 2,650 mPa·s

#### Applications

BERMOCOLL E 320 G is used to stabilize aqueous dispersions while avoiding problematic viscosity increase. Suitable dosage should be determined for each application, but is usually less than 0.5% of the total dispersion weight.

BERMOCOLL E 320 G is used in latex paints for thickening and stabilizing effects. Normal dosage is 0.4 - 0.8 % calculated on the total paint weight.

BERMOCOLL E 320 G is normally added as a ready stock solution.

BERMOCOLL E 320 G is also used in aqueous solutions as an adhesive for standard quality wallpapers. 200 g (oz) of BERMOCOLL E 320 G in 6 litres (approx 1.5 gallon) of cold water will be just right for 12 paper rolls.

Solutions should be prepared by addition of BERMOCOLL E 320 G at a moderate rate and with good agitation to avoid lump formation. After dispersion of the grains, the agitation speed may be reduced. The average time to attain a noticeable viscosity increase is 3-5 minutes, and the time for complete dissolving is 20-30 minutes.

#### Packaging and Storage

BERMOCOLL E 320 G is packed in multiply 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 or burned. In unopened bags, BERMOCOLL E 320 G can be stored for several years. In opened bags, the moisture content of BERMOCOLL E 320 G will be influenced by the air humidity.

At the temperatures above 250°C (480°F), charring of BERMOCOLL E 320 G will occur. At high temperatures and in contact with an open flame, BERMOCOLL E 320 G will burn slowly with the characteristics of cellulose.

CCD 2203



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