

# BERMOCOLL E 320 FQ

Ethyl hydroxyethyl cellulose

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

## Specifications

Appearance	Whitish powder
Particle size	98 % $\leq$ 500 $\mu$ m
Salt content	$\leq$ 5 %
Water content	$\leq$ 5 %

## Characteristics

pH, 1% solution	5-7
Surface activity	Weak
Viscosity at 20 °C (Brookfield LV), 2% solution	1850-2650 mPa.s

### Notes:

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

## Applications

BERMOCOLL E 320 FQ is used in latex paints, particularly for stabilizing the dispersion state with only moderate simultaneous viscosity increase. Normal dosage is 0.5-0.8 % calculated on the total paint weight. BERMOCOLL E 320 FQ is easily dispersed in cold water of pH 7 or less. BERMOCOLL E 320 FQ can form lumps when added to an alkaline liquid. To avoid this, it should be added as a ready stock solution, as slurry in slight acid water or in an organic solvent, or as a dry mix with other powder materials. The dissolving time after dispersion is influenced by the water pH. Alkaline additives can be used to speed up the dissolving process.

## Storage

In unopened bags, BERMOCOLL E 320 FQ can be stored for several years. In opened bags, the moisture content of BERMOCOLL E 320 FQ will be influenced by the air humidity. At the temperatures above 250 °C (480 °F), charring of BERMOCOLL E 320 FQ will occur.

## Packaging and transport

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 E 320 FQ is packed in a polyethylene bags. Net weight 20 kg. We recommend emptying the bags from the bottom. The empty bags can be recycled or burned.

## Safety and handling

At high temperatures and in contact with an open flame, BERMOCOLL E 320 FQ will burn slowly with the characteristics of cellulose.

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