



Product Information

BERMOCOLL EBS 451 FQ

BERMOCOLL EBS 451 FQ is a non-ionic, water soluble cellulose ether with enhanced enzyme resistance. It improves the consistency, the stability, and the water retention of water based products.

Specifications

BERMOCOLL EBS 451 FQ is a range of medium to high viscosity grades of ethyl hydroxy ethyl cellulose

Physical data

Appearance	whitish powder
Particle size	98 % < 425 µm
Water content	max 4 %
Salt content	max 5 %

Characteristics of aqueous solutions

pH (1 % solution)	neutral
Surface activity	weak
Viscosity at 20°C (Brookfield LV) 1 % Solution	3,000 ± 600 mPa.s

Applications

BERMOCOLL EBS 451 FQ is used in latex paints for thickening and stabilizing effects, particularly when high storage viscosity combined with low application viscosity is required. Normal dosage is 0.2 - 0.7 % calculated on the total paint weight.

BERMOCOLL EBS 451 FQ is easily dispersed in cold water of pH 7 or less. BERMOCOLL EBS 451 FQ can form lumps when added to an alkaline liquid. To avoid this, it should be added as a ready stock solution, as a 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.

Packaging and Storage

BERMOCOLL EBS 451 FQ is packed in multiply paper bags with an inner polyethylene bag. Net weight 20 kg or 50 lbs for the American market. The empty bags can be recycled or burned. In unopened bags, BERMOCOLL EBS 451 FQ can be stored for several years. In opened bags, the moisture content of BERMOCOLL EBS 451 FQ will be influenced by the air humidity.

At the temperatures above 250°C (480°F), charring of BERMOCOLL EBS 451 FQ will occur. At high temperatures and in contact with an open flame, BERMOCOLL will burn slowly with the characteristics of cellulose.

CCD 4601

No representation or warranty, expressed or implied, is made as to the accuracy or completeness of the information or data contained herein and Akzo Nobel Surface Chemistry shall have no obligation or liability whatsoever with respect to any such information or data, including, but not limited to, any liability for infringement of patent or other industrial property rights. Akzo Nobel Surface Chemistry disclaims all implied warranties of merchantability and fitness for a particular purpose. Akzo Nobel Surface Chemistry shall in no event be liable for incidental or consequential damages, including, without limitation, lost profit, loss of income, loss of business opportunity and any other related costs and expenses.



Print page

