

Bermocoll CCA 425

Ethyl hydroxyethyl cellulose

Bermocoll® CCA 425 is a modified non-ionic, water soluble cellulose ether, intended as a water retaining and consistency improving additive to cement and gypsum based mortars.

Specifications

Appearance	Whitish powder
Particle size	98 % ≤ 300 µm
Water content	≤ 4 %

Characteristics

Surface activity	Weak
Viscosity at 20 °C (Brookfield LV), 1% solution	6500-8500 mPa.s
Viscosity at 20 °C (Brookfield LV), 2% solution	37000-47000 (RV) mPa.s

Notes:

Bermocoll® CCA 425 is a modified high viscosity grade of ethyl hydroxyethyl cellulose.

Applications

Bermocoll® CCA 425 is used in cement and gypsum based mortars to improve the workability, consistency and water retention. Bermocoll® CCA 425 provides high sag resistance.

Storage

In unopened bags, Bermocoll® CCA 425 can be stored for several years. In opened bags, the moisture content of Bermocoll® CCA 425 will be influenced by the air humidity.

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® CCA 425 is packed 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 425 can be stored for several years. In opened bags, the moisture content of Bermocoll® CCA 425 will be influenced by the air humidity. At the temperatures above 250°C (480°F), charring of Bermocoll® CCA 425 will occur. At high temperatures and in contact with an open flame, Bermocoll® CCA 425 will burn slowly with the characteristics of cellulose.

Safety and handling

Bermocoll® CCA 425 should be admixed in dry form before the water is added. Due to its small particle size Bermocoll® CCA 425 will dissolve rapidly after addition of water to the dry mix. At the temperatures above 250°C (480°F), charring of Bermocoll® CCA 425 will occur. At high temperatures and in contact with an open flame, Bermocoll® CCA 425 will burn slowly with the characteristics of cellulose.

Certifications

Nouryon Chemicals AG has been certified according to ISO 9001, ISO 14001 and OHSAS 18001.

All information concerning this product and/or suggestions for handling and use contained herein are offered in good faith and are believed to be reliable. Nouryon, however, makes no warranty as to accuracy and/or sufficiency of such information and/or suggestions, as to the product's merchantability or fitness for any particular purpose, or that any suggested use will not infringe any patent. Nouryon does not accept any liability whatsoever arising out of the use of or reliance on this information, or out of the use or the performance of the product. Nothing contained herein shall be construed as granting or extending any license under any patent. Customer must determine for himself, by preliminary tests or otherwise, the suitability of this product for his purposes. The information contained herein supersedes all previously issued information on the subject matter covered. The customer may forward, distribute, and/or photocopy this document only if unaltered and complete, including all of its headers and footers, and should refrain from any unauthorized use. Don't copy this document to a website.

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The logo for Nouryon, featuring a stylized blue 'N' followed by the word 'ouryon' in a lowercase, sans-serif font.