

# BERMOCOLL BCM 051

BERMOCOLL BCM 051 is a modified non-ionic, water soluble cellulose ether, intended as a water retaining and consistency improving additive to cement based mortars. BERMOCOLL BCM 051 contains methyl, ethyl and hydroxyethyl substituents giving a unique balance between workability and strength.

## Specifications

Appearance	Whitish powder
Particle size	98 % ≤ 600 µm
Water content	≤ 5 %

## Characteristics

pH, 1% solution	7
Surface activity	Weak
Viscosity at 20 °C (Brookfield LV), 2% solution	3500-6000 mPa.s

### Notes:

BERMOCOLL BCM 051 is a modified low viscosity grade of methyl ethyl hydroxyethyl cellulose.

## Applications

BERMOCOLL BCM 051 is used in high quality cement based tile adhesive for improvement of workability, consistency, water retention and adhesion. Normal dosage in mortar is 0,4 – 0,6 % calculated on the dry mortar weight. BERMOCOLL BCM 051 effectively counteracts the slip tendency of tiles. BERMOCOLL BCM 051 is intended for dry mixing with other powder materials and should not be used for direct dissolving in water.

## Storage

In unopened bags, BERMOCOLL BCM 051 can be stored for several years. In opened bags, the moisture content of BERMOCOLL BCM 051 will be influenced by the air humidity. At the temperatures above 250°C (480°F), charring of BERMOCOLL BCM 051 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 BCM 051 is packed in a polyethylene bag. Net weight 15 kg. We recommend emptying the bags from the bottom. The empty bags can be recycled or burned. In unopened bags, BERMOCOLL BCM 051 can be stored for several years. In opened bags, the moisture content of BERMOCOLL BCM 051 will be influenced by the air humidity. At the temperatures above 250°C (480°F), charring of BERMOCOLL BCM 051 will occur. At high temperatures and in contact with an open flame, BERMOCOLL BCM 051 will burn slowly with the characteristics of cellulose.

## Safety and handling

At high temperatures and in contact with an open flame, BERMOCOLL BCM 051 will burn slowly with the characteristics of cellulose.

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.

## Contact Us

**Nouryon Functional Chemicals AB**  
SE-444 85 Stenungsund  
Sweden  
+46 303 85000

The Nouryon logo consists of a stylized orange 'N' followed by the word 'ouryon' in a lowercase, sans-serif font. The 'N' is significantly larger and more prominent than the rest of the text.