

# BERMOCOLL E 351 X

Ethyl hydroxyethyl cellulose

BERMOCOLL E 351 X 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 % $\leq$ 300 $\mu$ m
Salt content	$\leq$ 5 %
Water content	$\leq$ 4 %

## Characteristics

pH, 1% solution	7
Surface activity	Weak
Viscosity at 20 °C (Brookfield LV), 2% solution	4250-6000 mPa.s

### Notes:

Bermocoll® E 351 X is a medium viscosity grade of ethyl hydroxyethyl cellulose.

## Applications

Bermocoll® E 351 X is used in tile grouts to improve the workability, consistency, water retention and adhesion.

## Storage

In unopened bags, Bermocoll® E 351 X can be stored for several years. In opened bags, the moisture content of Bermocoll® E 351 X 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 a minimum. Care should be taken to prevent ignition from heat, spark, open flames or hot surface. BERMOCOLL E 351 X 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 E 351 X can be stored for several years. In opened bags, the moisture content of BERMOCOLL E 351 X will be influenced by the air humidity. At the temperatures above 250°C (480°F), charring of BERMOCOLL E 351 X will occur. At high temperatures and in contact with an open flame, BERMOCOLL E 351 X will burn slowly with the characteristics of cellulose.

## Safety and handling

Bermocoll® E 351 X is intended for dry mixing with other powder materials and should not be used for direct dissolving in water. At the temperatures above 250 °C (480 °F), charring of Bermocoll® E 351 X will occur. At high temperatures and in contact with an open flame, Bermocoll® E 351 X will burn slowly with the characteristics of cellulose.

## Certifications

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

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