

Carboxymethyl Cellulose; CMC; CT Series

Coating Grade

Coating Grade CMC (Carboxymethyl Cellulose) is a water-soluble CMC used in the coating industry. It can quickly dissolve in water or other solvents without the need for prolonged stirring or heating, making the coating production process more efficient. It serves as a multifunctional additive in coatings, playing roles such as thickener, stabilizer, binder, and rheology modifier, thus enhancing the performance and application properties of coatings across different formulations.

Specification

Appearance	White or off-white powder
Moisture, %	Max. 10.0
Purity, %	Min. 95.0
D.S	Min. 0.95
pH, 10g/L aqueous solution	6.0 - 8.5
Dispersibility	No lump

Grade

Grade	Viscosity ^a (mPa.s)	Dispersibility
CT3B2C	50 -150 (2%) ¹	No lump
CT3B7T	2000 - 4000 (2%) ²	No lump
CT3A6G	2800 - 3500 (1%) ³	No lump

^a Brookfield viscosity @ 25°C

¹ 2% aqueous solution, Spindle number 1, 60rpm.

² 2% aqueous solution, Spindle number 3, 30rpm.

³ 1% aqueous solution, Spindle number 3, 30rpm.

Packaging & Storage

Standard Packing	50 lb bag, 40 bags per pallet 25 kg bag, 40 bags per pallet
Storage	Each unit is labeled with product name and lot number. Store in a cool, dry area for optimal shelf life.
Handling	For safe handling of this product, please refer to the Safety Data Sheet (SDS).

Shelf Life

Shelf Life	2 years
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Usage & Application

Typical Dosage Applications	0.1 to 1% - Thickening Agent: increases the viscosity and rheological properties of coatings, improving pigment suspension and prevent settling. - Stabilizer: acts as a stabilizer in coatings by forming a dispersing system that effectively prevents the settling of pigments and other additives, maintaining the stability and consistency of coating formulations. - Binder: forms a flexible film upon drying in coatings, firmly bonding pigment and filler particles to the substrate surface. - Rheology Modifier: adjusts the rheological properties of coatings, improving their flowability and application performance.
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Regulatory Information

CAS No.	9004-32-4
HS Code	3912.31
Country of Origin	Made in China

Date Updated: Apr 15, 2024

Disclaimer: The information provided in this document is based on tests that we believe to be reliable. However, the results of these tests may vary under different conditions and methodologies. It is the responsibility of the prospective user to determine the suitability of our products for their specific use. The user is responsible for ensuring that their use of our products, as well as their workplace practices, are in compliance with all applicable laws and regulations.

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