

Introduction to Zencellose Cellulose Ethers

Zencellose cellulose ethers are polymers derived from the most abundant polymer in nature: cellulose, and more specifically, an under-used but premium fiber called cotton linter. This highly versatile additive is indispensable in many applications across a wide range of industries, from construction products and coatings, to mining, metallurgy processing, and even food and personal care.

Chiefly as thickener, lubricant, suspension and water-retention aid, Zencellose also serve as emulsifiers in construction and coatings field. Having so many properties makes Zencellose a highly efficient and ideal additive.

Zencellose is offered in a wide range of grades and viscosities, Each Zencellose grade is crafted specifically for a select number of applications, thus optimizing the performance and application workability.

General Properties of Zencellose Additives

Property	Effect
Emulsification	Promotes homogeneity and stability
Lubrication	Reduces friction, increase workability
Solubility	Controlled dispersibility and dissolution rate
pH stability	Stable over wide pH range, from 2.0 to 13.0
Suspension	Controls settling of particles, increase stability
Thickening	Various rheological profiles, increase consistency

Zencellose in Cement & Gypsum-based Materials

Gypsum based plasters, renders, and tape joint compounds benefit from the increased water retention, easy workability, smooth and easy consistency and lump free dissolution provided by Zencellose additives.

Zencellose Grade	Viscosity, mPa-s	Specific properties	Plaster	Joint Compound
Zencellose M4K	4,000	Excellent workability		•
Zencellose M20K12	20,000	Good workability, Increased yield		•
Zencellose M20K35	20,000	Excellent sag control, Very high yield		•
Zencellose M30K12	30,000	Multipurpose	•	
Zencellose M40K19	40,000	Excellent workability, Very high yield	•	
Zencellose M70K07	70,000	Very easy workability, High water retention	•	

Zencellose in Latex-Based Systems (Ready-to-use)

Zencellose offers wide range of viscosity grades with various solubility and easy workability.

Zencellose Grade	Viscosity, mPa-s	Specific properties	Tile Adhesives	Plasters	Joint Compounds	Caulks & Sealants
Zencellose M4KD	4,000	Delayed Solubility	•	•	•	
Zencellose M15KD	15,000	Delayed Solubility	•	•		
Zencellose M25KD	25,000	Delayed Solubility			•	
Zencellose M40KD	40,000	Delayed Solubility	•	•	•	
Zencellose E15KD	15,000	Delayed Solubility				•
Zencellose E50KD	50,000	Delayed Solubility				•

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