



WALOCEL™ J12M S Cellulose Ether

Hydroxypropyl Methyl Cellulose

Regional Product Availability

North America

Description

WALOCEL™ J12MS is a surface treated hydroxypropyl methylcellulose (HPMC) based polymer with high hydroxypropyl substitution. Surface treated grades of WALOCEL™ are cross linked with glyoxal in order to delay hydration of the polymer. This allows for WALOCEL™ J12MS to be easily and completely dispersed in aqueous solutions prior to hydration being triggered, most commonly by a pH adjustment. The high hydroxypropyl content of WALOCEL™ J12MS makes it compatible with common organic solvents and it's thixotropic nature provide solutions with excellent lubricity and spreadability. Additionally, WALOCEL™ J12MS has excellent pH stability in both acidic and alkaline environments making it an ideal thickener for cleaning products. WALOCEL™ J12MS is used in water based architectural coatings to precisely control viscosity and rheology. When added to latex paints WALOCEL™ J12MS improves storage stability, film durability, and brush loading.

Features & Benefits

- Water soluble
- High substitution level
- Delayed viscosity builder
- pH Stable
- Improved binding properties
- High water retention

Typical Physical Properties

(These properties are typical but do not constitute specifications).

Property	Typical Values
Appearance	Powder
Viscosity cP	10,000 – 16,500
Mosisture content, %	< 7.0
Particle Size thru 40 U.S. Standard Sieve, %	99

12% solution in water, Ubbelode Viscosity, 20°C

**Handling
Precautions**

Before using this product, consult the Material Safety Data Sheet (MSDS)/Safety Data Sheet (SDS) for details on product hazards, recommended handling precautions and product storage.

Storage

Store products in tightly closed original containers at temperatures recommended on the product label.

**Disposal
Considerations**

Dispose in accordance with all local, state (provincial) and federal regulations. Empty containers may contain hazardous residues. This material and its container must be disposed in a safe and legal manner.

It is the user's responsibility to verify that treatment and disposal procedures comply with local, state (provincial) and federal regulations. Contact your Dow Technical Representative for more information.

**Chemical
Registration**

Many countries require the registration of chemicals, either imported or produced locally, prior to their commercial use. Violation of these regulations may lead to substantial penalties imposed upon the user, the importer or manufacturer, and/or cessation of supply. It is in your interests to ensure that all chemicals used by you are registered. The Dow Chemical Company does not supply unregistered products unless permitted under limited sampling procedures as a precursor to registration.

**Product
Stewardship**

Dow has a fundamental concern for all who make, distribute, and use its products, and for the environment in which we live. This concern is the basis for our product stewardship philosophy by which we assess the safety, health, and environmental information on our products and then take appropriate steps to protect employee and public health and our environment. The success of our product stewardship program rests with each and every individual involved with Dow products - from the initial concept and research, to manufacture, use, sale, disposal, and recycle of each product.

Customer Notice

Dow strongly encourages its customers to review both their manufacturing processes and their applications of Dow products from the standpoint of human health and environmental quality to ensure that Dow products are not used in ways for which they are not intended or tested. Dow personnel are available to answer your questions and to provide reasonable technical support. Dow product literature, including safety data sheets, should be consulted prior to use of Dow products. Current safety data sheets are available from Dow.

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