



Technical Data Sheet

WALOCEL™ Xtra 20-45 Cellulose Ether

Product Description

WALOCEL™ Xtra 20-45 Cellulose Ether is a modified hydroxyethyl methyl cellulose (HEMC).

Sustainability Attribute:



Application and Advantages

WALOCEL™ Xtra 20-45 Cellulose Ether was developed for use in gypsum-based plasters, smoothing mortars and fillers.

It is based on morphology-controlled production technology which results in adjusted dissolution characteristics. The pH of the formulation has no influence on the rate of hydration. In addition to its balanced thickening efficiency, the product imparts good workability and enhances water retention considerably. It is compatible with all conventional mineral binders.

Typical Properties¹

Property	Unit	Result
Form		Powder
Solubility		Water soluble
Viscosity ²	mPa·s	18,000 to 23,000
pH		Neutral (2% solution)
Moisture content	%	Max. 7

1. Please note that the viscosities and other values shown are typical values for your guidance. They are not to be taken as specifications and are subject to certain variability. Please consult the sales specifications for details.
2. 1% solution in water, Haake Rotovisko RV 100, shear rate 2.55 s⁻¹, 20°C

Health and Safety Considerations

Safety Data Sheets (SDS) are available from The Dow Chemical Company. SDS are provided to help customers satisfy their own handling, safety and disposal needs and those that may be required by locally applicable health and safety regulations. SDS are updated regularly, therefore, please request and review the most current SDS before handling or using any product. For further questions consult your Dow contact person.

Flammability

Cellulose ether products are organic polymers that will burn when exposed to heat and a sufficient oxygen supply. Fires can be extinguished by conventional means avoiding any raising of dust by strong water jets. Dow recommends the use of water spray, carbon dioxide, or powder extinguishers.

Storage and Handling

WALOCEL™ Xtra 20-45 Cellulose Ether should be stored in a dry and cool environment. Storage in high humidity and temperature will increase the risk of blocking. Storage under pressure should also be avoided. Do not stack pallets on top of each other. Please consult the SDS for information on the product shelf life.

WALOCEL™ Xtra 20-45 Cellulose Ether is a free-flowing powder, and as such can create dust. Avoid dust build-up. Fine dust of this product can form explosive mixtures with air and could pose fire and explosion hazard; keep away from ignition sources. Take precautions to avoid accumulation of static charge. Practice care and caution to avoid explosive conditions.

Spills and Housekeeping

Solutions of WALOCEL™ products are slippery. To prevent accidents, floor spills of dry powder should be swept up dry. If the spill is a viscous solution, it should be removed by further diluting with water before disposal.

Disposal

Typically, WALOCEL™ products can be disposed of by industrial incineration or in an approved landfill, providing regulations are observed. Customers are advised to review their local, state, provincial, or national regulations governing the disposal of waste materials to confirm the appropriate means of disposal in their area.

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.

dow.com

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