Construction Chemicals

Technical Data Sheet

WALOCEL™ MKX 40000 PF 20

Product description

WALOCEL™ MKX 40000 PF 20 is a modified hydroxyethyl methyl cellulose (HEMC)

Application / Advantages

WALOCEL™ MKX 40000 PF 20 cellulose ether was developed for use in gypsum-based plasters. In addition to its balanced thickening efficiency, it imparts good workability and enhances water retention considerably. The selected particle size distribution guarantees quick dissolution. The product is compatible with all conventional mineral binders. The pH of the formulation has no influence on the rate of hydration.

Typical Properties[1])

Form	powder
Solubility	water soluble
Viscosity[2])	41 000 to 47 000 mPa·s
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]) 2% 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.

Health

WALOCEL™ products have had extensive evaluation in both acute and long-term studies in a number of species, including humans. Their many years of use attest to their safety in a wide variety of applications. While the dust may cause mechanical irritation to the skin and eyes under extreme conditions, the products are considered to present no significant health hazard under normal handling conditions.

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.

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Handling

During use or storage, safe handling is required to prevent dusts with air from reaching explosive levels as is true with other organic materials of similar particle size. When handling large quantities, local applicable regulations concerning the prevention of dust explosions should be followed. Additionally, WALOCEL™ products, like other organic chemicals, should not be stored next to peroxides or other oxidizing agents.

Spills/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™ 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.

Additional Information

For more information you may call the following numbers:

Europe*)	**+800-3-694-6367 (toll free)**
Italy	**800-783-825 (toll free, national)**
Europe, Middle East, Africa	**+31-11567-2626 (toll call)**
South Africa	**+800-99-5078 (toll free, national)**

*) International toll free from Austria, Belgium, Denmark, Finland (prefix 990), France, Germany, Hungary, Ireland, The Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, and the United Kingdom.

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