

Walocel™ MKX 30000 PF 01

Product description Walocel™ MKX 30000 PF 01 is a hydroxyethyl methyl cellulose (HEMC)

Application / Advantages

WALOCEL MKX 30000 PF 01 was developed for cement-based applications, like cement-based tile adhesives. It imparts well-balanced properties to cement-based tile adhesives, e.g.

- open time
- adhesion and shear strength.

It also imparts good workability and enhances water retention. The selected particle size distribution guarantees quick or lump free dissolution. It is compatible with all conventional mineral and organic binders.

Typical Properties¹⁾

Form	powder
Solubility	water soluble
Viscosity ²⁾	30 000 to 35 000 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

Material Data Sheets are available from The Dow Chemical Company to help you further satisfy your own handling, disposal, and safety needs.

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.

Product Information

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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 or those outlined in the American National Fire Protection NFPA guidelines: "Prevention of Dust Explosions in Industrial Plants" should be followed. With cellulose ethers, the critical level may be reached at about 28 grams dust/m³. 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

WALOCEL cellulose ether products present no significant ecological problems. Typically, they 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.

For more information, call

- from Europe, India, Africa, Middle East : +800 3 694 6367 (Toll free)
- from North America : 1-800 447 4369 (Toll free)
- from Latin America : +55 11 5188 9000
- from the Pacific : +800 7776 7776 (Toll free)

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