WOTAIchem ™ Technical Data Sheet

WOTAIchem ™ HEMC 40KM

Hydroxyethyl methyl cellulose

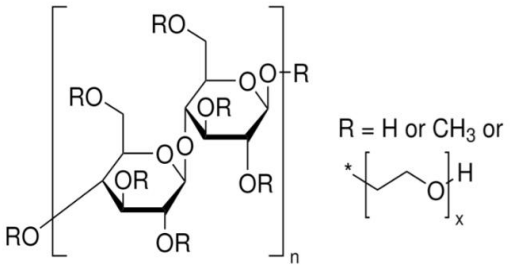
Product description

HEMC 4 0KM is WOTAIchem ™'s premium modified grade. WOTAIchem ™ HEMC 40KM Cellulose Ether was developed for cement-based or gypsum-based bonding mortar, like tile adhesives . It imparts excellent workability and excellent water retention especially at high temperatures.The retarded dissolution characteristic helps to achieve lump free dissolution for Ready-to-use applications. It is compatible with all conventional mineral and organic binders.

Specifications and characteristics

Chemical type: Hydroxyethyl methyl cellulose Modified Grade

Chemical Structure:



Methoxy content:	21.0-28.0%
Hydroxyethyl content:	7.0-12.0 %
pH value:	5.0-8.5
Particle size:	99% pass 177μm (ASTM Mesh No.80)
Viscosity:	45,000-60,000 mPa.s (Brookfield RV, 2%)
Moisture:	max.7.0 %
Gel temperature:(℃)	75-90
Solubility:	No-delayed solubility
Degree of substitution:	H
Appearance:	white or off-white powder
Properties:	Good slip resistance, excellent workability and excellent water retention especially at high temperatures,good adhesion and shear strength

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.

Recommend Applications

Cement-based Tile Adhesive
Cement Adhesive
Masonry Mortar
Gypsum-based tile adhesive
Gypsum Binders
EIFS Bonding Mortar

Packaging

Net multi-layer paper 25kg bag with polyethylene inner liner
500-600 KGS packed in one pallet.
20 Pallets in all for 20ft FCL .

Storage

Store in cool and dry conditions in its original packaging due to its hygroscopic properties. Dust of Wotai HPMC is capable of exploding. Store aware from heats, sparks and fires, do not expose it directly to high temperatures as to avoid explosion due to dust.

Shelf Life

The shelf life is 2 years. If over 2 years, please test and confirm the quality before using.

For further information on safety, refer to the Material Safety Data Sheet (MSDS) or contact WOTAIchem ™ sales representatives directly. All rights reserves by marketing & sales dept. of Yuanwang group.