WOTAIchem ™ Technical Data Sheet

WOTAIchem ™ HPMC TW50E

Hydroxy Prophyl Methyl Cellulose

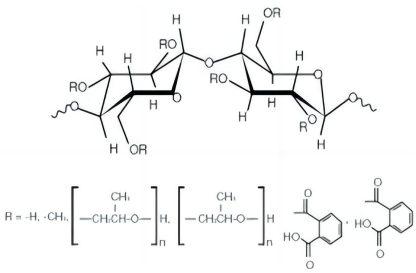
Product description

HPMC TW50E is a moderately modified product of WOTAIchem ™. WOTAIchem ™ HPMCTW50E cellulose ether is suitable for use in cement-based mortars such as tile adhesives and masonry mortars. It is recommended for use with HPS to improve the application performance of tile adhesives. It has good workability properties for fresh mortars and improves water retention. Delayed dissolution properties contribute to lump-free dissolution in ready-to-use applications. It is compatible with all conventional mineral and organic binders.

Specifications and characteristics

Chemical type: Hydroxy Prophyl Methyl Cellulose Modified Grade

Chemical Structure:



Methoxy content:	19.0-24.0 %
Hydroxypropyl content:	6.0-12 .0%
Appearance：	white or off-white powder
Particle size:	99% pass 177μm （ASTM Mesh No.80）
Viscosity:	35,000-45,000 mPa.s (Brookfield RV, 2%)
Moisture:	max.7.0 %
pH value:	5-8.5
Solubility:	No-delayed solubility
Degree of substitution:	M
Properties	Good open time, good workability， water retenti

Recommend Application

Tile Adhesive
Cement Adhesive
Insulation Bonding Mortar
Ready-mixed Mortar
Masonry Mortar

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.

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.