

WOTAchem™ HPS WT40F

Hydroxypropyl Starch Ether (HPS)

Product Description

WOTAchem™ HPS WT40F is a high-performance hydroxypropyl starch ether. As a multifunctional additive, it is widely used in food, pharmaceutical, textile, papermaking, construction and many other industries. It can be used together with cellulose ether to optimize the thickening performance of construction products such as tile adhesives, bonding mortars and plastering mortars.

Typical Data	
Appearance:	Off-white powder, weak odor
Sieve Residue (%) (Pass through 80-mesh sieve (0.18 mm aperture))	≥95%
Ash Content(%)	≤10.0%
Moisture (%):	≤10.0%
Viscosity (mPa.s) (5%, Brookfield, 20°C):	2000-5000mPa.s
PH Value(25°C, 20%aqueous):	8.0-12.0

Product Applications & Advantages

- Excellent cost-performance ratio, stable performance and wide application range.
- Improves the anti-sag and anti-slip properties of materials.
- Low dosage required; satisfactory application performance can be achieved with an ultra-low addition rate.
- Excellent water retention capacity to effectively extend the open time of materials.

Packing & Storage

Multi-layer paper bags (PE liner) or valve sacks
25kg/bag, 700KG/pallet
14MT/20FCL, 26MT/40FCL (palletized)
Store in cool and dry conditions

Shelf Life

Products in unopened packaging can be stored for 2 years. For opened products, ambient air humidity will alter the material moisture content. Reseal the package immediately after use to prevent caking.

Safety Protection

Routine Operation: Under normal handling conditions, no significant health hazards exist. Avoid inhalation of dust; wash hands thoroughly after operation.
Emergency Treatment: In case of contact with eyes or skin, flush thoroughly with clean water as a precautionary measure.

Flammability

HPS WT40F is an organic polymer and combustible material.

- It starts to decompose at 100–200°C.
- Its ignition temperature is higher than 360°C, and flame spread may occur once ignited.
- Fires can be extinguished with standard water mist, carbon dioxide or dry powder fire extinguishers.
- Do not store peroxides or oxidizing agents near this product.

This information is based on our present state of knowledge and is intended to provide general notes about our products and their use only. It should not therefore be construed as guaranteeing the consistency or permanency of the products or specific properties of the products described or their suitability for a particular application. Any existing industrial property rights must be observed. The quality of our products is guaranteed under our General Conditions of Sale.