



## Shandong TianSheng Cellulose Corp.,Ltd.

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# TS® G6013 Modified HEMC

## Technical Data Sheet

### Application scope

TS® G6013 cellulose ether is a kind of non-ionic, water-soluble polymer powder that is used to improve working ability of gypsum dry-mix such as:

- Hand plaster
- Machine-applied plaster
- Putty
- Adhesive

### Recommended dosage of total dry mixed mortar

- 0.15-0.60%

### Typical performance

- ✓ Good water retention
- ✓ Good wetting and adhesive strength
- ✓ Good sag resistance
- ✓ Excellent workability
- ✓ Thickening quickly

### Storage and delivery

TS® G6013 cellulose ether belongs to hygroscopic and hydrophilic polymer powder, so it should be stored and delivered under dry and cool conditions in its original package form and away from heat. After opening the package for production, tight re-sealing must be applied to avoid ingress of moisture.

### Shelf life

At least 2 years under cool and dry condition. For material storage over shelf life, quality confirmation test should be done before use.

### Product safety

According to EU legislation on dangerous substances and preparations, TS® G6013 cellulose ether does not belong to hazardous material. Further information on safety aspects is given in Material Safety Data Sheet.

Grade	G6013
Chemical name	Hydroxyethyl Methyl Cellulose Ether (HEMC)

## Typical properties

All of data, suggestions, and proposals presented here are based on our current knowledge and experience in raw materials and application technologies, which do exclude the responsibility of users to scrutinize the quality of all received products. Because we are out of control of quality in users' raw materials, production and application methods, service conditions as well as local standards, our suggestions and proposals do not imply any guarantee and promise for end product quality. The users should be responsible for formulation adjustment according to real conditions to meet project quality requirements.

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Appearance	White or off-white powder
Particle size (passing 0.212 mm)	≥ 95%
pH value	6.0-8.0
Moisture content (max, %)	≤6%
Viscosity (mPa·s)	56,000~65,000 <sup>1</sup> /120,000~150,000 <sup>2</sup>

## Note

1) 2% solution, Brookfield RV,20rpm, 20°C.

2) Viscosity > 100,000mPa·s is tested with 1% water solution@20°C by NDJ-1 viscometer according to JC/T2190-2013, and then converted with an experience formula into the viscosity of 2% solution.

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