



## Shandong TianSheng Cellulose Corp., Ltd.

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# TS® R6075 / R6075S

## Universal HEMC with enhanced properties

### Technical Data Sheet

#### Application scope

TS® R6075 / R6075S cellulose ether is a kind of non-ionic, water-soluble polymer powder that is developed to improve working ability of dry mixed mortars such as:

- Tile adhesive
- Masonry mortar and trowelling mortar
- Adhesive mortar and basecoat for EIFS
- Special applications of mortar and concrete

#### Recommended dosage of total dry mixed mortar

- 0.03-0.45%

#### Typical performance

- ✓ Good air stabilization in mortar
- ✓ Good water retention even under high temperature
- ✓ Long open time
- ✓ Very good troweling and smooth leveling ability Good slip resistance

#### Storage and delivery

TS® R6075 / R6075S cellulose ether belongs to hygroscopic and hydrophilic polymer powder, so it should be stored and delivered under dry and clean conditions in its original package form and away from heat. After opening the package for production, it must be resealed tightly 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® R6075 / R6075S cellulose ether does not belong to hazardous material. Further information on safety aspects is given in Material Safety Data Sheet.

#### Typical properties

Grade	R6075 / R6075S <sup>1</sup>
Chemical name	Hydroxyethyl Methyl Cellulose Ether (HEMC)
Appearance	White or off-white powder
Bulk density (kg/m <sup>3</sup> )	250-550
Particle size (passing 0.212 mm)	≥ 92%
pH value	5.0-9.0
Moisture content (max, %)	≤6%
Viscosity (mPa·s)	36,000-45,000 <sup>2</sup> / 67,500-90,000 <sup>3</sup>

#### Note

1) S means surface treatment

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

3) 2% water solution viscosity @20°C with viscometer NDJ-1, #4 spindle @6 Rotation according to JC/T2190-2013.

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.