



JK-703

Chemical Name: Hydroxypropyl Guar

CAS Number: 39421-75-5

Characteristics

Chemical description	Nonionic etherified guar gum
Appearance	Ivory fine powder
Moisture	8 % Max
Particle Size	99.5% Min through US 60 mesh 97% Min through US 120 mesh
Viscosity (mPa.s)	9000 Min (25°C, 2% sol., Brookfield, Spindle 4#, 20RPM)
pH value	5.0~7.0
Storage	Store in a cool and dry place in closed original containers. We recommend not exceeding a storage time of 12 months.
Packaging	Multi-layer 25 kg paper bags or big bags (can be customized).

Properties

JK-703 stands out for the following properties in cementitious systems:

- Excellent water retention
- Easy processing due to very good gliding properties
- Excellent adherence without stickiness to tools
- High stability to alkali

This information and all further technical advice is based on our present knowledge and experience. However, it implies no liability or other legal responsibility on our part, including with regard to existing third party intellectual property rights, especially patent rights. In particular, no warranty, whether express or implied, or guarantee of product properties in the legal sense is intended or implied. We reserve the right to make any changes according to technological progress or further developments. The customer is not released from the obligation to conduct careful inspection and testing of incoming goods. Performance of the product described herein should be verified by testing, which should be carried out only by qualified experts in the sole responsibility of a customer.



Processing

JK-703 is to be blended with the components of the dry mortar blend prior to adding water.

For a further increase in the water retention capacity the product can be combined with suitable cellulose ethers.

Application Fields

The particular properties of JK-703, the good processing/workability and the long open time together with the high stability to electrolytes and the pH value stability are decisive for the preferred use in gypsum based and cementitious application fields such as:

- cementitious brick mortars/ cementitious plaster systems/cementitious screed/tile adhesives
- Gypsum based plaster

Recommendation for Use

We recommend carrying out recipe specific pretrials in accordance with the following application amount:

0.08 - 0.3 % JK-703 related to the dry mortar weight

The optimal application amount varies depending on the application field, origin and type of raw materials in use.

This information and all further technical advice is based on our present knowledge and experience. However, it implies no liability or other legal responsibility on our part, including with regard to existing third party intellectual property rights, especially patent rights. In particular, no warranty, whether express or implied, or guarantee of product properties in the legal sense is intended or implied. We reserve the right to make any changes according to technological progress or further developments. The customer is not released from the obligation to conduct careful inspection and testing of incoming goods. Performance of the product described herein should be verified by testing, which should be carried out only by qualified experts in the sole responsibility of a customer.