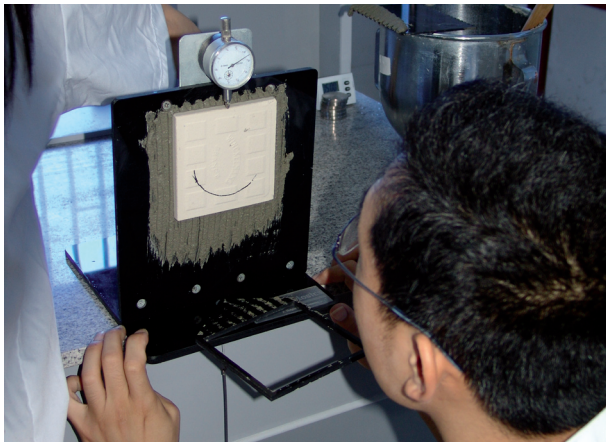


marechem™ HPMC



marechem
gmbh

Marcchem™ HPMC

HPMC are derivatives of the natural material cellulose. Marcchem™ HPMC are etherified cellulose construction grades developed by Marcchem R & D for dry mortar building materials, the most effective and efficient method of processing building materials. Marcchem™ HPMC is a white or slightly yellowish solid, offered as free flowing powder. Marcchem™ HPMC is odorless and tasteless.

All stages of raw material and production parameters are controlled by Marcchem GmbH quality control and ensure stable chemical and physical parameters of the product. Our own R & D center will develop further grades in the future based on the needs of customer and markets.

Packaging

Standard packaging of Marcchem™ HPMC grades are sewn PP-bags with polyethylene inner layer. Big bags can be offered as special packaging.

Bag weight : 25kg
Pallet weight: 600 kg
Pallet dimensions: 115x115x115 cm



Storage

When stored in closed containers, or in its original packaging in a dry place at room temperature, protected from heat and sunlight, Marcchem™ HPMC will last for a long time.

Marcchem™ HPMC absorbs moisture from the surrounding air, once a container or packaging is opened it must be resealed and kept tightly close for further correct storage of the product.

Safety instructions

As all fine-particle organic substances, Marcchem™ HPMC constitute a dust explosion hazard. When handling bulk or large quantities, take precautions to avoid any kind of dust formation and deposits so that no ignitable dust/air mixtures can form. Keep away from hot surfaces, flames, sparks and static electricity. Smoking and/or welding near the material should be forbidden. Marcchem™ HPMC decomposition temperature is about 200°C, ignition temperature is >360°C.

Use Marcchem™ HPMC only in ventilated places. Avoid contact with eyes, skin and clothes and make sure to wash thoroughly after handling. For disposal of empty packaging and/or containers check your local and federal laws.

“Please read carefully MSDS before using Marcchem™ HPMC”.



Technical Information and Application fields

		HPMC30000S	HPMC75000S	HPMC100000S	HPMC200000S	
Properties	viscosity (Brookfield RV, 20rpm, 2%, 20 °C)	20000~26000	34000~40000	43000~49000	>65000	
	Appearance	White	White	White	White	
	Particle size (%) (100 mesh sieve, pass rates)	> 95	> 95	> 95	> 95	
	Active substance (%)	> 92.0	> 92.0	> 92.0	> 92.0	
Modification		No	No	No	No	
Delayed solubility		Yes	Yes	Yes	Yes	
Application	Plasters/ Renders	Thermal insulating render			••	•••
		Base renders	•••	•••	••	
		Plasters (gypsum)	•••	•••	••	
		Decorative render/ stucco	•••	•		
	Adhesives	Adhesive/reinforcement for EIFS		•••	••	
		Ceramic tile adhesive	••	••	••	••
		Masonry mortar	••	•••	••	
	Fillers	Grout, cement based	••	•		
		Joint filler, gypsum based	••	•		
	Others	Key coat		•	••	•
		Repair mortar	••	•		
		Waterproof mortar	••	•		
		Refractory mortar	•••	••		
		Two-component mortar	•	••	••	

• suitable •• recommended ••• strongly recommended

	water demand	final consistency	slip resistance	water retention	Influence on cement hydration	heat stability
HPMC30000S	•	•	•	••	•	••
HPMC75000S	••	••	•	••	•	••
HPMC100000S	••	••	••	•••	••	••
HPMC200000S	•••	•••	•••	•••	••	••

• moderate •• high ••• very high

Marcchem features

- Technical expertise and know how
- Own R & D center with expertise staff
- Highest quality standards
- Worldwide availability with distribution network around the globe
- Own logistic service center
- Flexible, motivated and reliable industrial partner “small but powerful”

Marcchem service

Our fully equipped and accredited Laboratory supports you in

- Product reformulation
- Product optimization
- Product development
- Product testing

Legal information

The information in this brochure is based on our current state of knowledge and experience. It is intended to provide general notes on our products and their uses. It should not be used as any guarantee of certain properties or the suitability for a particular application of the products described.

The information does not absolve the user for the need to make own test and experiments. Technical data is subjected to change without notice. Quality is guaranteed in accordance with our general conditions of sale.