

## Hydroxypropyl Methyl Cellulose HPMC For Construction

[Hydroxypropyl methylcellulose](#) (HPMC) is a natural polymer materials as raw materials,through a series of chemical processing and prepared non-ionic cellulose. It contains almost methyl cellulose(MC) of all the performance, your first choice for production of high quality building materials additives.To meet the needs of environmental protection, Our product with high water retention, dispersion, good fineness, good work ability, easy dissolution characteristics.It suitable for dry mortar building, both inside and outside wall putty powder milk (cream), adhesives, caulks, interface agents, coatings, self-leveling agent of new building materials.

### Product properties

1. Water Retention: The water retention will be enhanced, which is helpful with such problems as cement or gypsum construction material drying too fast and poor hardening or cracking due to insufficient hydration.
2. Operability: It can enhance the plasticity of mortar and improve the coating efficiency in construction projects.
3. Adhesivity: It can make mortar attach to base material better since the plasticity of mortar is enhanced.
4. Slip Resistance: It can prevent slipping problem between mortar and the base material in construction project as a result of its thickening effect.

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|----------------------------|---|
| Name                       | <a href="#">Hydroxypropyl methyl cellulose</a> (HPMC)   |
| Content of hydroxypropyl % | 7.0-12.0  |
| Content of Methoxyl %      | 26.0-30.0   |
| Gel temperature°C          | 54-72   |
| Ash(Wt%)                   | ≤5  |
| Water(Wt%)                 | ≤1  |
| PH                         | 5-8   |
| Appearance                 | White Powder or granula   |
| Fineness                   | 100mesh≥98.5%;80mesh≥100%   |
| Surface Treatment          | Cold water instant type: surface treatment<br>Ordinary hot melt type: without surface treatment |

## Application

### Tile Adhesive

- 1 Good water retention: it can prolonged opening time , to make tiling more efficient
- 2 Improved adhesion and sliding resistance especially for heavy tiles
- 3 Better work-ability: lubricity and plasticity of plaster is ensured, mortar can be applied easier and quicker

### Cement Based Plaster

- 1 Easy dry mix formulation due to cold water solubility: lump formation can be easily avoided, ideal for heavy tiles.
- 2 Good water retention: prevention of fluid loss to the substrates, the appropriate water content is kept in mixture which guarantees longer concreting time
- 3 Increased water demand: increased open time, expanded spray area and more economical formulation
- 4 Easier spreading and improved sagging resistance due to improved consistency

### Exterior Heat Insulation System ( EIFS )

- 1 Improved adhesion
- 2 Good wetting ability for EPS board and substrate
- 3 Reduced air entrainment and water uptake.

### Self-leveling

- 1 Protection from water exudation and material sedimentation
- 2 No effect on slurry fluidity with low viscosity HPMC, while its water retention characteristics improve the finish performance on the surface.

### Crack Filler

- 1 Better workability: proper thickness and plasticity
- 2 Water retention ensures prolonged work time
- 3 Sag resistance: improved mortar bonding ability

### Gypsum Based Plaster

- 1 Water retention: maximized water content in slurry ensures complete gypsum concretion.
- 2 Anti-sagging: when spreading a thicker coat corrugation can be avoided ( careful when air is entrained )
- 3 Increased mortar yield: depending on the weight of the dry mixture and appropriate formulation HPMC can increase the mortar

### Ceramic Extrusion

- 1 Excellent workability for ceramic molding due to lubricity and plasticity
- 2 Compact texture and smooth surface of ceramic product due to negligible ash content

Contact us

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HPMC cellulose,

[HPMC cellulose ether](#) ,

[Hydroxypropyl Methylcellulose](#) ,

Hydroxypropyl Methyl Cellulose (HPMC),

hydroxypropyl methylcellulose hpmc,

hydroxypropylmethylcellulose