



GinShiCel™ MH Product Information

Methyl Hydroxypropyl Cellulose

CAS Number: 9004-65-3

GinShiCel™ MH is a Methyl Hydroxypropyl Cellulose series of off-white powders that are easily dispersed and dissolved in cold or hot water, to produce solutions of varying viscosities. Chemically, it is cellulose of short to very long chain length that has been etherified to a methyl hydroxypropyl ether to achieve an optimum balance of properties. GinShiCel™ MH is used as a viscosity and rheology modifier, protective colloid, water retention agent, stabilizer, and suspending agent, particularly in those applications where a nonionic material is desired.

Physical Properties:

Appearance	White to off-white powder
Particle size	99% < 250 µm
Moisture	Max 5%
Ash Content	Max 1%
Salt Content	Max 3%

Grades and Specifications

Different grades of MHPC differ primarily in their solution viscosity, however, all grades can be enhanced with one or several modifications. These modifications add special performance characteristics of the product. These product modifications are available upon request, and are listed in Table 1. Table 2 details the available viscosities.

Table 1. Available Product Modifications

Suffix	Product Modification	Explanation
S	Surface Treated	Ensures cold water dispersion
A	Sag Resistant	Provides sag resistant property
L	Slip Resistant	Provides slip resistant property
X	Extended Open Time	Extends the open time of mortar
D	Delayed Hydration	Delayed Solubility via heavy cross-linkage



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Table 2. Available Product Viscosities.

GinShiCel™ MH Grade	Mean Viscosity*
GinShiCel™ MH C1	100
GinShiCel™ MH C4	400
GinShiCel™ MH 4	4000
GinShiCel™ MH 7	5500
GinShiCel™ MH 21	11000
GinShiCel™ MH 32	12500
GinShiCel™ MH 37	15000
GinShiCel™ MH 48	17500
GinShiCel™ MH 53	21000
GinShiCel™ MH 64	23000
GinShiCel™ MH 69	25000
GinShiCel™ MH 96	32000
GinShiCel™ MH 101	34000
GinShiCel™ MH 117	38000
GinShiCel™ MH 128	39000
GinShiCel™ MH 133	40000
GinShiCel™ MH 144	45000
GinShiCel™ MH 256	48500
GinShiCel™ MH 336	60000
GinShiCel™ MH 592	200000 – 240000
GinShiCel™ MH 608	240000 – 280000
GinShiCel™ MH 823	300000 – 340000

*Brookfield RVT 2%, 20°C

Packaging and Storage

The product is packed in multi-ply paper bags with an inner polyethylene layer. Net weight 25KG. The empty bags can be recycled or burned. In unopened bags, this product can last several years. In opened bags, the moisture content of this product will be influenced by air humidity. See MSDS for information on handling, transportation, and storage of the product.



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Construction Material Applications:

Plasters, Renders, & Stucco:

- Base plasters
- Decorative Finish Plasters
- Repair Plasters
- Insulating Renders

Adhesives:

- Tile Adhesives
- EIFS Adhesives
- Wallpaper Adhesives

Jointing & Filling Compounds:

- Self-leveling compounds
- EIFS leveling compounds
- Wall leveling compounds
- Grouts

Special Applications:

- Underwater Concrete
- Extruded Construction Elements
- Paint Removers

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