Kimicell  KMP 100000

Technical Data Sheet

**Description**

**Hydroxypropyl Methyl Cellulose**

Kimicell KMP 100000 is a non-ionic, water soluble cellulose ether, a high efficient water retention agent, stabilizer, adhesive, film-forming agent in building materials.

**Appearance:** White to cream-colored powder

**Particle size:** 98.5 % < 180 µm

**Bulk density:** ~0.5g/cm³

**Typical properties**

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Methoxyl content (%)</td>
<td>19-25</td>
</tr>
<tr>
<td>Hydroxypropyloxy content (%)</td>
<td>4-12</td>
</tr>
<tr>
<td>Gelation temperature (°C)</td>
<td>60-90</td>
</tr>
<tr>
<td>Moisture (%)</td>
<td>≤5.0</td>
</tr>
<tr>
<td>Ph value</td>
<td>5.0–8.0</td>
</tr>
<tr>
<td>Residue on ignition (%)</td>
<td>≤1.0</td>
</tr>
<tr>
<td>Brookfield Viscosity (mPa.s) (2% solution 20-25°C)</td>
<td>40000-60000</td>
</tr>
<tr>
<td>NDJ Viscosity (mPa.s) (2% solution 20-25°C)</td>
<td>90000-120000</td>
</tr>
</tbody>
</table>

**Application**

**Kimicell KMP 100000** is multifunctional additives for construction materials especially dry-mix products. It improves the workability of both cement-based and gypsum-based materials by extending open time and enhancing adhesion, lubricity, shrink and crack resistance. In dry mix systems, Kimicell KMP products ensure fast hydration for reliable performance.

**Main uses:**

- Cement-based tile adhesives, mortars, grouts, textures, and stuccos
- Gypsum-based tape-joint compounds, fillers, plasters
- Exterior (Thermal) Insulation Systems
- White render finishes

**Packaging & storage**

- 25kg compound paper bags with polyethylene intermediate layer.
- Keep it in cool, dry place avoiding direct sunshine.

**Contacts**

To ensure you are using the latest and most complete information, please contact Kimix.

Kimix Chemical Co., Ltd.
Room 706, Hongshi Mansion, No. 225 Chaowang Rd., Hangzhou 310015, P.R.China
Tel: +86 571 88392380
Fax: +86 571 88390023
Email: sales@kimix.com.cn

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