High Performance Polycarboxylate Superplasticizer
Company Profile

Liaoning Kelong Fine Chemical Co., Ltd. was founded in 2002, consisting of over 500 staffs by now, among which the 30 are research specialist staff with master and doctor degrees.

The company is a fine chemical supplier based on ethylene oxide and has satisfied perfect product lines for polycarboxylate-based superplasticiser, cutting fluid of silicon for solar energy, polyester elastomer, multifunctional finishing agent, coating additives, food additives and building materials additives. Its products have been widely used in daily use, medicine, spinning and textile printing, coating, printing ink, oil exploitation, metal processing, building and IT industries.
The company comes out among the best suppliers of polycarboxylate-based superplasticiser at home, and has customers across the country and products well sold in America, Russia, Japan, Korea, Israel, Malaysia and New Zealand, etc. The 8 offices set throughout the country aim to better serve our customers with the best and quickest quality products and technical supports.
**R-209**
*Powder water-reducing type*

**Product Introduction**
It is polycarboxylate based high performance water reducer in powder with high water reduction, excellent superplasticizer, enhancing strength for concrete.

**Uniformity parameters** (mixing amount 0.3%)

<table>
<thead>
<tr>
<th>Items</th>
<th>Test results</th>
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</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>White powder</td>
</tr>
<tr>
<td>Bulk density (g/l, 20°C)</td>
<td>≥ 500</td>
</tr>
<tr>
<td>Cement paste fluidity (mm)</td>
<td>≥ 240</td>
</tr>
<tr>
<td>Air content %</td>
<td>≤ 6.0</td>
</tr>
<tr>
<td>Slump loss retention (mm)</td>
<td>&lt;br&gt;30min: ≥ 180&lt;br&gt;60min: ≥ 150</td>
</tr>
<tr>
<td>Corrosion of steel bar</td>
<td>No</td>
</tr>
</tbody>
</table>

5. Good cohesiveness: Making concrete have excellent workability, non-segregative & non-bleeding.


**Methods of Use**
The recommended mixing amount is 0.3-0.8%. The actual mixing amount depends on testing. The recommended stirring time is 150s at least. It can also compound with other concrete admixtures. It can be added directly or after preparing solution with water.

**Scope of Application**
It is suitable for the preparation of dry mortar, pumping, high strength, high durability, self-compacting & precast concrete.

**Safety Attention**
Keeping away from contacting skin and eyes. In case of contact, immediately flush skin with plenty of water. In case of allergy and other adverse reaction, seek immediate medical advice.

**Package & Storage**
Packed in 25kg fibre drum or plastic woven bag and stored at dry and cool place at 0-35°C, away from sunshine. The shelf-life is normally 1 year.

**Product Characteristic**
1. Wide adaptability: It is compatible with ordinary silicate cement, slag silicate cement and all kinds of blendings having excellent dispersibility and plasticity.

2. High water reduction: The water reduction rate of concrete is above 38% improving concrete working characteristics, increasing concrete strength and durability.


4. Good dispersibility: Making concrete have high fluidity.