LANDEX® (Emulsion explosives)

Combined use of LANDEX® with the "pneumatic loader" developed by Kayaku Japan and the non-electric initiation system (non-electric detonator), enables blasting work with high safety and efficiency.

LANDEX® Blasting System

1. Safety
   - No need to get close to the tunnel face in charging.
   - Possible to check the condition of the tunnel face in charging.
   - Adoption of a non-electric detonator ensures safety against static electricity, leak current, etc.

2. Workability
   - Save time for charging and connection.
   - Mechanical loading reduces the burden of workers.

3. Handling
   - As with ANFO explosives, Granulated emulsion explosives have facilitated mechanical loading.

4. Environmental responsiveness
   - Reduced generation of fumes
   - Available for use in any type of water hole including lifter hole.

Performance table

<table>
<thead>
<tr>
<th>Brand name</th>
<th>Bulk density</th>
<th>Load density</th>
<th>Detonation velocity(m/s)</th>
<th>Ballistic pendulum</th>
<th>Water resistance</th>
<th>Fumes</th>
<th>JIS drop hammer test</th>
<th>BAM friction sensitivity test</th>
</tr>
</thead>
<tbody>
<tr>
<td>LANDEX®</td>
<td>0.93~1.13</td>
<td>0.7~0.8</td>
<td>3,500~4,000</td>
<td>66~72</td>
<td>Excellent</td>
<td>Best</td>
<td>8th grade</td>
<td>7th grade</td>
</tr>
</tbody>
</table>

Package table

<table>
<thead>
<tr>
<th>Brand name</th>
<th>Inner package</th>
<th>Package size</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Weight (kg)</td>
<td>Number of bags</td>
</tr>
<tr>
<td>LANDEX®</td>
<td>10</td>
<td>2</td>
</tr>
</tbody>
</table>