**Version No. 01**

**Item**
- Product Description: Photoluminescent pigment
- Model: YG-B2-RW

**Application Scopes**
- Screen printing ink, brush/roller/spraying paint indoors, dip plastic coating, injection/extrusion/casting plastic, silicone rubber molding, etc.

**Typical chemical properties**
- **Composition**: Strontium Aluminate dopped with Europium Dysprosium oxides.
- **Insoluble in**: organic solvents, water
- **Decomposition by**: Strong acids, strong alkalines
- **Fastness to heat**: -40~850°C

**Typical physical properties**
- **Appearance**: Yellowish crystal powder
- **Specific gravity**: 3.6g/cm³
- **Bulk Density**: 1.21g/cm³
- **Average Particle Size**: 25-35μm.

**Typical luminescent properties**
- **Excitation**: all visible light and UV light (250~450nm better)
- **Glow Color**: Blue green (Emitting light Wavelength Peak: 490±2nm)
- **Afterglow Intensity after**
  - 10min >260 mcd/m2
  - 60min >35.0 mcd/m2
  - 600min >2 mcd/m2
- **Afterglow intensity(to 0.32mcd/m2):** >3120min under norm DIN67 510

**Typical luminance data**

<table>
<thead>
<tr>
<th>Time</th>
<th>10&quot;</th>
<th>1'</th>
<th>2'</th>
<th>3'</th>
<th>4'</th>
<th>5'</th>
<th>10'</th>
<th>15'</th>
<th>20'</th>
<th>30'</th>
<th>40'</th>
<th>50'</th>
<th>60'</th>
<th>90'</th>
<th>120'</th>
<th>180'</th>
<th>300'</th>
<th>600'</th>
</tr>
</thead>
<tbody>
<tr>
<td>mcd/m2</td>
<td>6320</td>
<td>2081</td>
<td>1198</td>
<td>847</td>
<td>662</td>
<td>677</td>
<td>276</td>
<td>187</td>
<td>138</td>
<td>88</td>
<td>63</td>
<td>49</td>
<td>40</td>
<td>24</td>
<td>17</td>
<td>10.3</td>
<td>5.37</td>
<td>2.15</td>
</tr>
</tbody>
</table>

**Lifespan:** >15years under well packing condition.

**Safety:**
1. Toxic: NO.
2. Radioactive: NO.

**Other data:**
- 1. Using Condition(recommended):
  - With all colorless, transparent medium, such as paint, coating, resin, etc.
- 2. Storage Condition: In cool, dry and ventilated place, with temperature -50~60°C
- 20'Container FCL Q'ty: 11250kgs(palletized)
- 5. Norm Compiled: EN71-3, RoHS, DGM.
- 6. Norm MEET: PSPA Class-C, JIS-Z9107 JB.
- IMO A.752(18), ISO 23601, UL924, ASTM E2030/E2072/E2073,
3. Packing: 25kgs iron pail lined with plastic bags.
   G.W.: 26.6kgs, Dim: D31 x H34cm

ATPA SS-PS-002-98/SS-PS-004-99,
BS 5499-1 2002, NYC Law 26