LEAKMASTER - Water Swelling Sealant -

**Features**

LEAKMASTER is a one component type water swelling sealant with excellent and unique physical properties.

LEAKMASTER was developed based on our technology and long experience in water swelling sealants and rubbers.

1. Easy Handling and Application
2. Excellent Physical Properties
3. Well designed water expansion properties
4. Good adherence
5. Available in 320ml cartridge (LV-1) and 600ml sausage package (SP-600)

**Characteristics**

1. **General Properties**

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Putty-Like</td>
</tr>
<tr>
<td>Color</td>
<td>Grey</td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>1.30 ± 0.10</td>
</tr>
<tr>
<td>Extrudability</td>
<td>Within 20 Sec.</td>
</tr>
<tr>
<td>Slump</td>
<td>Max.3mm</td>
</tr>
<tr>
<td>Tack-Free Time</td>
<td>Within 8 Hrs</td>
</tr>
</tbody>
</table>

JIS A 5758

2. **Properties After Hardening**

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
<th>Standard</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hardness</td>
<td>A41±8</td>
<td>JIS K 6253</td>
</tr>
<tr>
<td>Tensile strength</td>
<td>5.8±1.0 MPa</td>
<td>JIS K 6251</td>
</tr>
<tr>
<td>Elongation</td>
<td>1100 ±250%</td>
<td>JIS K 6251</td>
</tr>
<tr>
<td>Tear strength</td>
<td>13.7±3.9N/mm</td>
<td>JIS K 6252</td>
</tr>
</tbody>
</table>

3. **Swelling Properties**

- Immersed in water after hardening (7 days), then increase in weight (%) is measured
- Test specimen: 20 x 10 x 50 mm
- Water temperature: 20°C – 15°C

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LEAKMASTER – December 2011 - 1/3
Warranty

All statements regarding this product are based upon procedures and tests which we believe are reliable, and may be changed for improvement of quality without any notice; but it will be the sole responsibility of the customer and/or end user to use this product properly, and therefore assume all risk and liability in connection therewith.

C. I. Kasei Co., Ltd. Warrants its products to be of good quality and will replace product proved to be defective. In no instance will C. I. Kasei Co., Ltd. be liable for labor costs or incidental damage associated with the use of this product, unless stated in a warranty for a specific project.
**Installation**

**INSTALLATION PROCEDURE (LEAKMASTER LV-1)**

1. Remove laitance from surface where LEAKMASTER is to be applied.
2. Break moisture-proofing aluminum foil of the top and set nozzle.
3. Cut nozzle at appropriate position diagonally.
4. Break foil on the back side and set cartridge to caulking gun.
5. Caulk LEAKMASTER continuously.

**IMPORTANT PRECAUTIONS:**

1. This product contains solvent and may be ignited by sparks, heart or open flame before curing.
2. Ventilate adequately. Lack of ventilation may cause eye/respiratory irritation, headache, dizziness and nausea.
3. Do not swallow and avoid eye/skin contact.
5. Store in a cool, dark and dry place below 32°C (90°F).
6. Do not apply to places in direct contact with potable water.
7. Do not apply to an external and/or a surface position.
8. Use at a temperature between 5°C (41°F) and 40°C (104°F).
9. Cover the applied LEAKMASTER with enough coverage of concrete in order to avoid concrete crack by its expansion pressure. (See Fig. 1)
10. Do not leave in water for longer than 6 hours before coverage.
11. Use up within 24 hours after breaking moisture-proofing foil.
12. Use within its shelf life of 12 months after the production month shown on the cartridge.

![Diagram of installation procedure](image-url)