Product Description

**Sika®-2 Water Plug** is used for the immediate sealing of severe water leaks in tunnels, subways, basements, inspection pits, vaults etc. before coating with a proprietary waterproofing system.

Used as plug for penetrating water, **Sika®-2** is a ready to use rapid setting leak stopping liquid which is mixed with ordinary Portland cement to produce a paste for rapid sealing against high water pressure infiltration.

**Benefits**
- Does not require diluting
- Rapid setting time
- Just add ordinary Portland cement
- Well proven
- Does not contain chlorides

**Areas for Use**
- Basements and cellars.
- Concrete, rock and masonry.
- Vaults and tunnels.

**Limitations**
- Where high water pressures are experienced, the prepared area around the discharge tubes may need to be increased to provide a larger surface area for bonding the **Sika®-2** paste.
- Setting times will be affected by ambient temperature, water and **Sika®-2** temperature, supplier and age of ordinary Portland cement. Trials are recommended varying the **Sika®-2** dosage, temperature and type of ordinary Portland cement until the required performance is achieved.
- Use only fresh ordinary Portland cement.
- Wear suitable protective clothing, gloves and eye protection.
- **Sika®-2** plugs must always be over-coated with a final waterproof layer.
- Do not dilute.

**Surface Preparation**
At the location of infiltration, remove all loosely adhering particles, algal growth contaminants etc. by localised scabbling, needle gunning etc. to roughen and clean substrate. Control leakage if required by
diverting water to selected discharge points formed of short lengths of plastic or rubber tube set into the substrate. Pre-drill holes to accept tubes.

**Application**

Use 1 part Sika®-2 to 2 parts OPC by volume. Do not mix more product than can be placed immediately. Pour Sika-2 liquid into the mixing the mixing container and add OPC. Mix quickly to a paste. Mould the Sika®-2 paste by gloved hand into a plug and place immediately into the hole, pressing firmly until the mix has set (15 - 20 secs). Continue as required until entire leak has been plugged.

When the water flow has been controlled through the discharge points apply the Sika®-1 structural waterproofing render layers up to the discharge tubes. Note: Do not apply final layer of render until discharge tubes have been removed and water infiltration has stopped.

**Specific Data**

<table>
<thead>
<tr>
<th>TEST</th>
<th>RESULT</th>
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<tbody>
<tr>
<td>Appearance</td>
<td>Red liquid</td>
</tr>
<tr>
<td>SG @ 20°C</td>
<td>1.2-1.3g/cm³ (approx.)</td>
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<tr>
<td>Consumption</td>
<td>0.7Ltrs per kg of cement.</td>
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<tr>
<td>pH</td>
<td>11.4 – 13.4</td>
</tr>
<tr>
<td>Solids Content</td>
<td>28.5-30.5</td>
</tr>
</tbody>
</table>

**Health & Safety**

Consult MSDS for full list of hazards.

**Storage**

Protect Sika®-2 Water Plug from frost and store between 5°C and 20°C

**Shelf Life**

12 months from date of manufacture when stored according to manufacturer’s instructions.

The technical data contained herein is based on our present knowledge and experience and we cannot be held liable for any errors, inaccuracies, omissions or editorial failings that result from technological changes or research between the date of issue of this document and the date the product is acquired. Before using the product, the user should carry out any necessary tests in order to ensure that the product is suitable for the intended application. Moreover, all users should contact the seller or the manufacturer of the product for additional technical information concerning its use if they think that the information in their possession needs to be clarified in any way, whether for normal use or a specific application of our product. Our guarantee applies within the context of the statutory regulations and provisions in force, current professional standards and in accordance with the stipulations set out in our general sales conditions. The information detailed in the present technical data sheet is given by way of indication and is not exhaustive. The same applies to any information provided verbally by telephone to any prospective or existing customer.