1. **Description**

Gorilla Fire Cement Sealant is a single component ready to use heat resistant sealant which cures to form a hard seal. It withstands temperatures of up to 1500°C.

2. **Characteristics**

- Heat resistant up to 1500°C
- Does not contain asbestos or other harmful components
- Hard setting
- Does not crumble or crack after cure

3. **Technical Data**

<table>
<thead>
<tr>
<th>Consistency</th>
<th>Stable Paste</th>
</tr>
</thead>
<tbody>
<tr>
<td>Curing System</td>
<td>Physical Drying</td>
</tr>
<tr>
<td>Shrinkage</td>
<td>None</td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>Ca 1.82g/mL</td>
</tr>
<tr>
<td>Temperature Resistance</td>
<td>Up to 1500°C</td>
</tr>
</tbody>
</table>

4. **Applications**

Sealing of joints and openings at furnaces, heating systems, central heating systems, barbecues, etc. Heat retardant sealing at existing constructions.

**Note:** Final curing only occurs once the Gorilla Fire Cement is heated above 450°C for a period of 30 minutes

5. **Packaging**

Cartridge 310mL (net content)

6. **Shelf Life**

12 months in unopened packaging in a cool and dry storage place at temperatures between +5°C and +25°C. Do not expose to frost.

7. **Application Instructions**

**Surfaces**
Type: brickwork, concrete, metals
State of Surface: clean, dry, free of dust and grease
Preparation: slight moistening of the surface will increase adhesive strength

Due to the range of substrates on the market recommend preliminary compatibility tests prior to commencement of application.

**Joint Size:**
Minimum Width: 5mm
Maximum Width: 15mm
Application

**Method:** caulking gun, spatula, trowel
**Application temperature:** +5°C to +30°C
**Clean:** with water
**Repair:** with Gorilla Fire Cement Sealant

**Remarks:**
- A slight heating up of the installation during 12 hours after application of the Gorilla Fire Cement Sealant will prevent the forming of bubbles and improve the sealant structure
- Do not apply in situations where constant water immersion is possible
- **Note:** Final curing only occurs once the Gorilla Fire Cement is heated above 450°C for a period of 30 minutes

**Approvals:**
- Test Report 7830 – University of Ghent to · NBN 713.020
- BS 476:Part 20 – Warrington Fire Research Report C81770

**Test Results – Test Report 7830:**

<table>
<thead>
<tr>
<th>Wall Thickness</th>
<th>Width of Joint</th>
<th>Depth of Joint</th>
<th>Application</th>
<th>Fire Rating</th>
</tr>
</thead>
<tbody>
<tr>
<td>200mm</td>
<td>10mm</td>
<td>45mm</td>
<td>Unexposed side of the wall</td>
<td>120 min. TI 120 min. FR Rating: EI 120</td>
</tr>
</tbody>
</table>

TI = Thermal Insulation; the time during which the temperature on the unexposed side of the wall does not rise by more than 180°C.
FR = Flame Resistance; the time during which the joints stops flames from penetrating the wall
Fire Rating: Draft European Commission Decision RG N170 REV.1

8. Health and Safety Recommendation

- Apply the usual industrial hygiene.
- For more detailed information, please refer to the SDS.

Remark
The directives contained in this documentation are the result of our experiments and of our experience and have been submitted in good faith. Because of the diversity of the materials and substrates and the great number of possible applications which are out of our control, we cannot accept any responsibility for the results obtained. In every case it is recommended to carry out preliminary experiments.

If any clarification is required, please contact Holdfast Technical Services or email sales@holdfast.co.nz.

Last Updated: 6 November 2017