SCHIEDEL

# Schiedel Isokern Garden Fireplace Installation instructions

Model 950
Build, rendering, firebricks and accessories

www.schiedel.com/uk

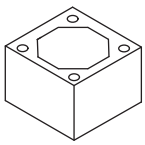
Cover photos by L. Davies
Please note that the images show the version with the optional bottom log store

SAP 940003942 - Updated 23 October 2026

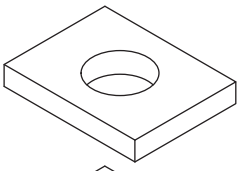
# Garden Fireplace 950

Capping x 1

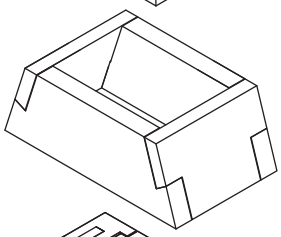
Chimney blocks x 3



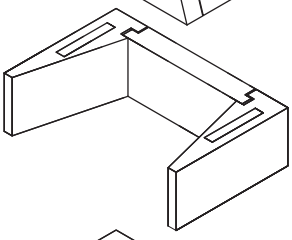
Top plate x 1



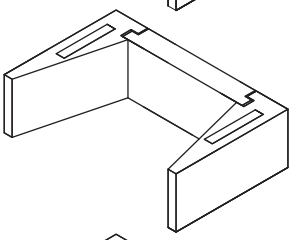
Gather front, back and sides x 4



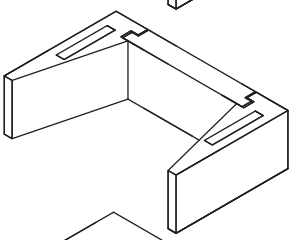
Sides and back x 3



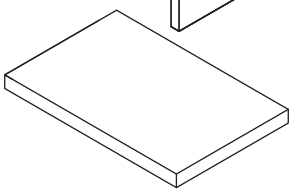
Sides and back x 3



Sides and back x 3

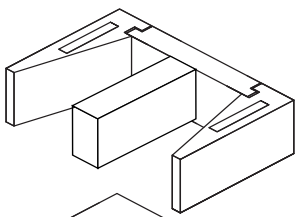


Base plate x 1

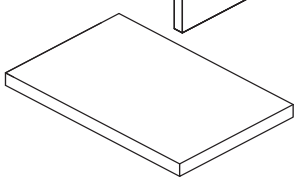


**Log store component parts** (supplied only if this option has been purchased)

2 sides, 1 back and 1 central block



Base plate x 1



**The Garden Fire 950 comes complete with the following components:**

1 bag of lip glue adhesive (for pumice components)

2 bags of render

1 log retainer kit (2 metal bars + 2 fixing brackets)

2 Isokern Skorstenslim 5kg

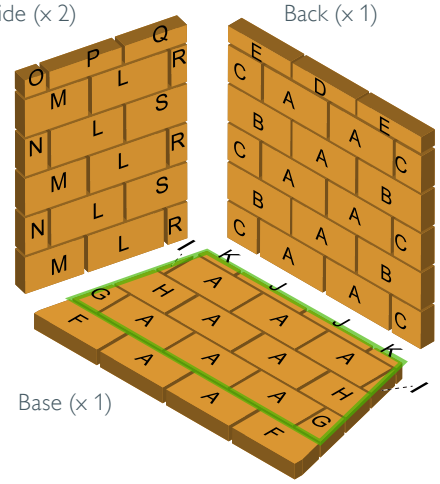
1 Pejsemørtel 10kg

1 set of pre-cut firebricks (see diagram below)

Fire brick diagram and parts for the 950 model (see page 8 for more details)

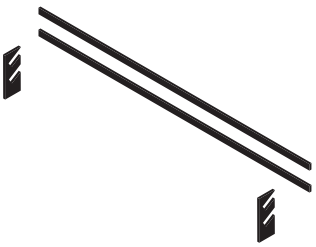
Side (x 2)

Back (x 1)



Base (x 1)

Log retainer kit (see page 10 for more details)



Important: If you are not building it straight away and plan to store it outside, you must keep the following items in a dry place indoors:

- Lip glue, Render, Firebrick mortar, Instruction manual.

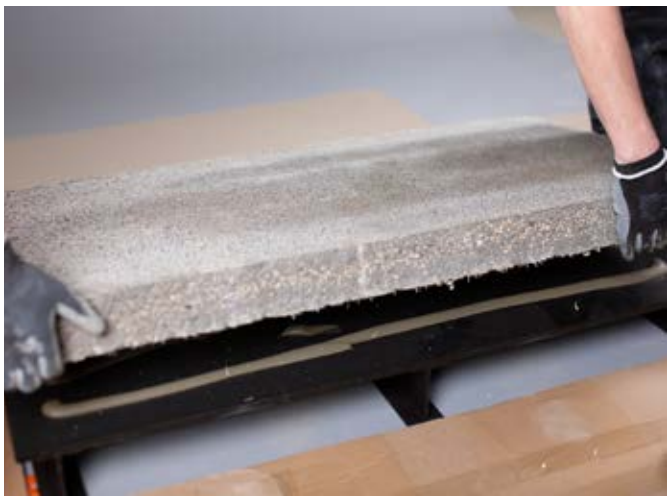
These items are sensitive to moisture and must be protected from the elements. Failure to store them correctly may affect any future claim for replacement, as damage from incorrect storage is not covered.

# Preparation

The Garden Fire needs to be built onto a firm foundation. It should not be built directly onto decking. Schiedel recommends that a minimum 100mm reinforced concrete base is used to support the structure.

A distance of 75mm should be left between the Garden Fire and any wooden or other combustible material.

# Instructions - Optional log store (If this has not been purchased, go to page 4)



Create a suitable base. We recommend 100mm thick reinforced concrete. Bed the base plate using the supplied adhesive or mortar mix. Check every stage is level.

Mix lip glue jointing adhesive as per instructions on the bag. Apply 15-20mm beads using the supplied application bag as shown in the picture above.

Press one side block into place and apply lip glue into the slot as shown.

Press back panel into place and then add the remaining side panel.

Press the middle section down on to the adhesive and apply additional adhesive as shown.

Press the base plate of the firechest down on to the log store. Keep checking all is level and remove any excess lip glue.

# Installation Instructions - Firechest (Step 1)

Bed the base plate using the supplied lip glue onto the log store or a suitable 100mm thick reinforced concrete base. Check every stage is level.

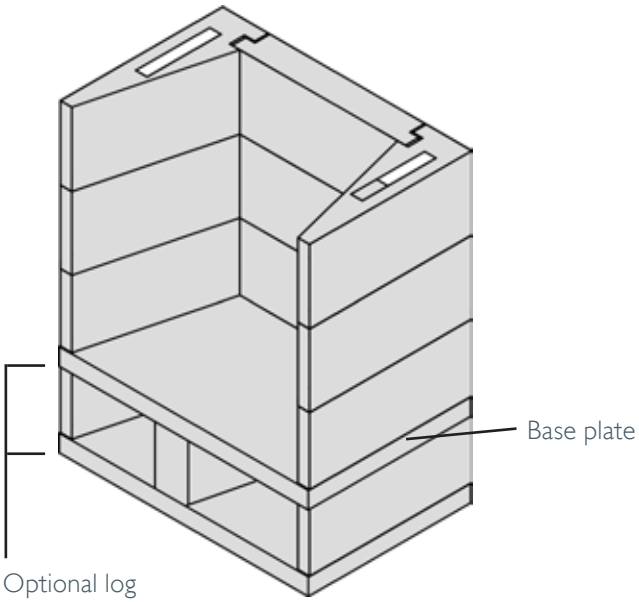
Press one side block into place and apply the lip glue into the slot as shown.

Press back panel into place and the other side block.

Apply the lip glue adhesive on top of the first layer.

Add a further 2 layers of side blocks and back panels applying lip glue adhesive between each layer and at each joint. In total there are 3 layers on top of the base plate, as per the image. (If the log store option is not being used, then this base plate will be bedded directly on to a suitable prepared base.

**Step 1 Base, sides and back complete**



# Instructions - Gather unit (Step 2)

Apply lip glue to the top layer and then press the front and rear sections of the gather into place.

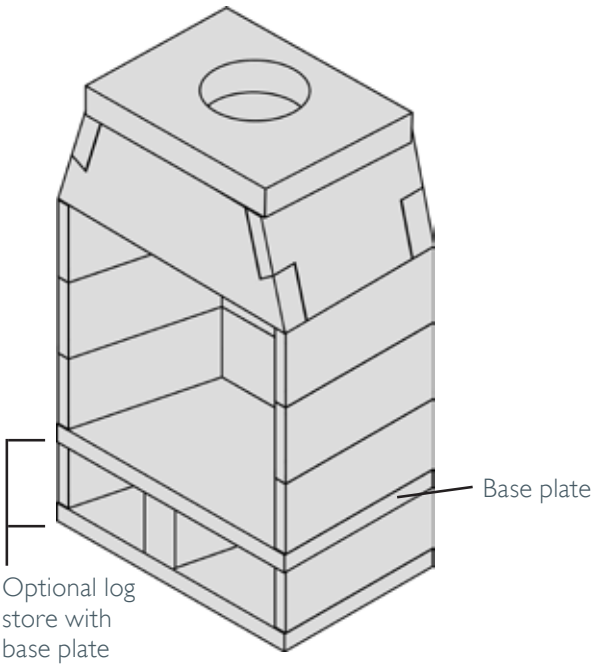
Apply lip glue to the joints on the sides of the front and rear panels of the gather.

Press the side panels of the gather into place.

Apply lip glue to the top of the gather unit and then press the top plate into position with the hole offset closer to the rear section of the gather. Ensure the top section is level. Clean off any excess glue

**Step 2 Gather Unit section complete**

At this stage the Garden Fire should resemble the image with the gather unit above the three rows of the firechest area, a base plate with the log store beneath the base plate (if the log store option is being used)



# Instructions - Chimney blocks (Step 3)

Spread lip glue adhesive in the shape of the chimney block.

Press the first chimney block into place, checking it is in the correct position above the hole in the top plate.

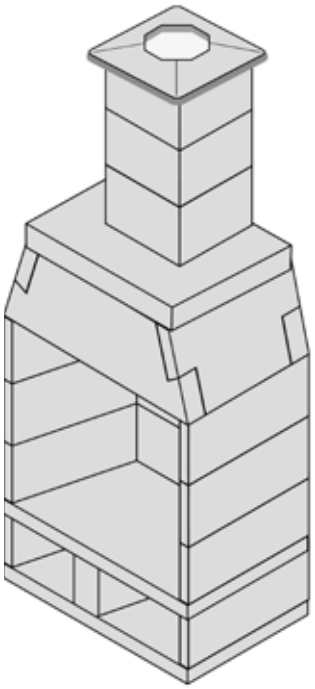
Glue on the next two chimney blocks.

Glue on the capping.

**Step 3 Blocks and capping complete**

The fireplace is now complete with chimney blocks and capping. After the glue is touch dry, the rendering stage will commence.

This graphic shows a fireplace with the optional log store and base plate at the bottom.



# Instructions - Rendering (Step 4)

Render plaster must be mixed, applied, and smoothed by a skilled professional. **Please note: As a heat-resistant material, it necessitates greater care and pressure during application compared to conventional plaster, which is typically smoother.**

Cracking and bubbling in the render often results from moisture being trapped behind it. This issue can stem from inadequate surface preparation, incorrect mixing ratios, application in unsuitable weather conditions (such as high humidity), or applying the render to a damp surface. When moisture is trapped, it can expand and form bubbles as it attempts to escape. Key contributors to bubbling on concrete surfaces include an excessive amount of water in the render mix. Overly watery mixtures can weaken the bond and lead to moisture entrapment, resulting in bubbling during the drying process.

Additionally, insufficient substrate preparation, such as failing to clean or prime the concrete surface before applying the render, can result in poor adhesion and the formation of air pockets.

Render plaster is intended for a single coat application; if additional coats are necessary, more render must be purchased.

Burn off the fibres on external surface before rendering.

Mix the render as per the instructions on the bag.

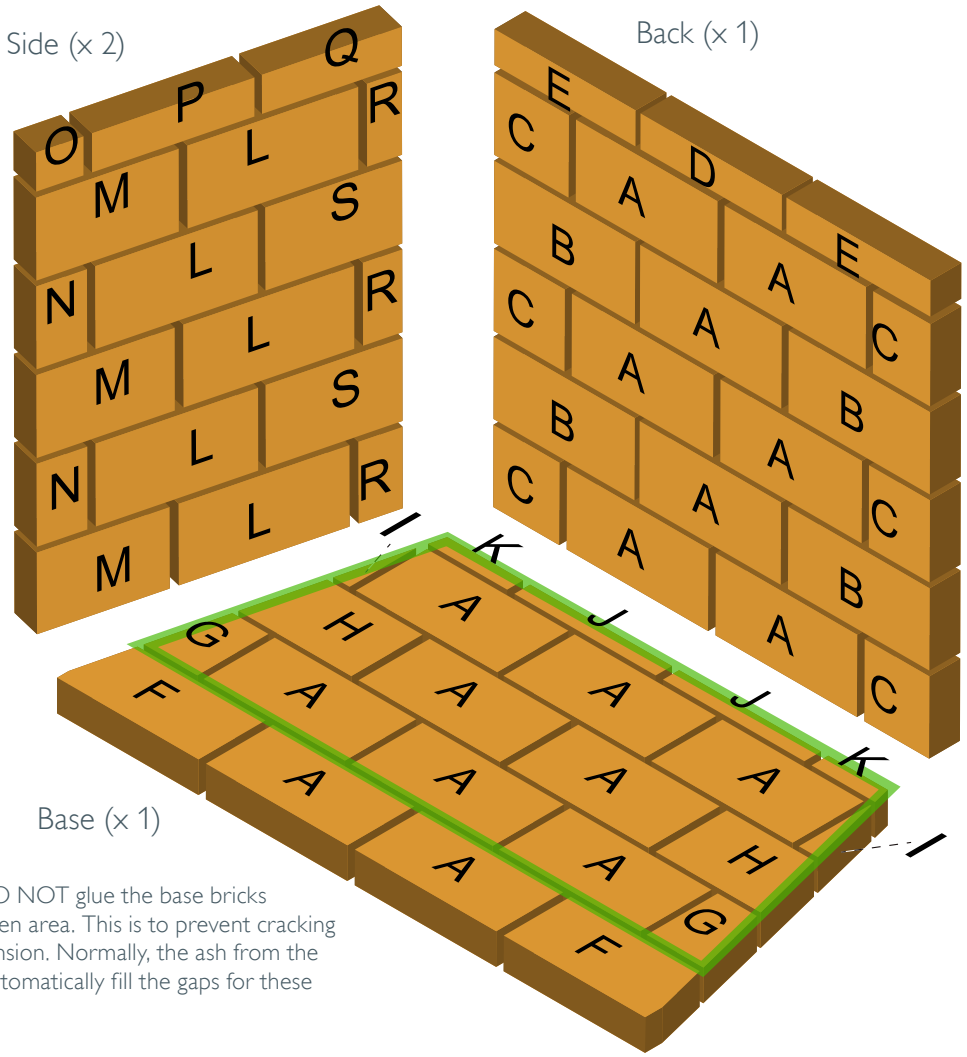
Render the surface areas.

Ensure the edges are smooth and wait to dry.

The finished model, prior to adding firebricks and the log retainer.

# Garden Fireplace firebricks guide

## 950 model




Important. Please DO NOT glue the base bricks highlighted in the green area. This is to prevent cracking due to thermal expansion. Normally, the ash from the burnt material will automatically fill the gaps for these

The finished firechest must be lined with firebricks that are at least 25mm thick on the sides and 50mm thick on the back and bottom. The firebricks should be either butt jointed or pointed and adhered to the pumice elements using Skorstenslim mortar, with the exception of the base firebricks, which should be placed loosely.

The front row of the base bricks may be secured in position with adhesive. To ensure proper adhesion, thoroughly wet the pumice and allow sufficient time for the water to be absorbed. When preparing the firebricks, submerge one in a bucket of water until the surfaces are moist but not dripping.

Follow the mixing instructions for the Skorstenslim mortar.

| Brick | L | W | D |
|---|---|---|---|
| A | 230 | 114 | 50 |
| B | 214 | 114 | 50 |
| C | 95 | 114 | 50 |
| D | 230 | 52 | 50 |
| E | 214 | 52 | 50 |
| F | 220 | 114 | 50 |

| Brick | L | W | D |
|---|---|---|---|
| G | 71 | 114 | 50 |
| H | 160 | 114 | 50 |
| I | 15 | 114 | 50 |
| J | 230 | 20 | 50 |
| K | 102 | 20 | 50 |
| L | 230 | 114 | 25 |

| Brick | L | W | D |
|---|---|---|---|
| M | 156 | 114 | 25 |
| N | 78 | 114 | 25 |
| O | 78 | 52 | 25 |
| P | 230 | 52 | 25 |
| Q | 156 | 52 | 25 |
| R | 78 | 114 | 25 |
| S | 156 | 114 | 25 |

Sizes in mm

### Note for all models

8mm gap between bricks.

Bed all bricks on a 1–3 mm layer of Skorstenslim, then grout them with Pejsemørtel.

# Instructions - Firebricks (Step 5)

Thoroughly brush all pumice surfaces and remove all dust and debris.

Wet all pumice surfaces several times using a brush, sponge or spray bottle. The pumice elements must absorb sufficient water before installation.

Fully immerse the firebricks in clean water for approximately 15 minutes. Remove and allow them to drain for approx. 15 minutes. Firebrick surfaces should be damp but must not have standing or glossy water present.

Apply Isokern Skorstenslim to the rear face of each firebrick using the same method. If the adhesive cannot be smoothed evenly across the brick surface, allow the brick to dry briefly or wipe away excess moisture.

Apply Skorstenslim on the FIRST ROW only for the bottom. Bed the firebricks on to a 3mm layer of mortar. Use the tables on the previous page as a guide.

Complete the bottom layer of firebricks. Use a tile spacer to keep an 8mm gap.

**Note that these instructions for firebricks replace any previous instructions**

# Instructions - Firebricks (Step 5)

Re-wet the pumice surfaces immediately before applying adhesive. Surfaces should be damp but not running with water. Apply Isokern Skorstenslim to the fireplace walls using a 6 mm notched trowel.

Press each firebrick firmly into position and work the brick into the adhesive to achieve full contact. Allow the adhesive to cure for approximately 24 hours before grouting.

Remove all spacers or jointing rope. Lightly wet the firebrick surfaces and joints. Allow approximately 15 minutes for excess surface water to dissipate. Fill all vertical and horizontal joints using Isokern Pejsemørtel.

Tool and finish the joints as required.

**Note that these instructions for firebricks replace any previous instructions**

# Instructions - Log retainer (Step 6)

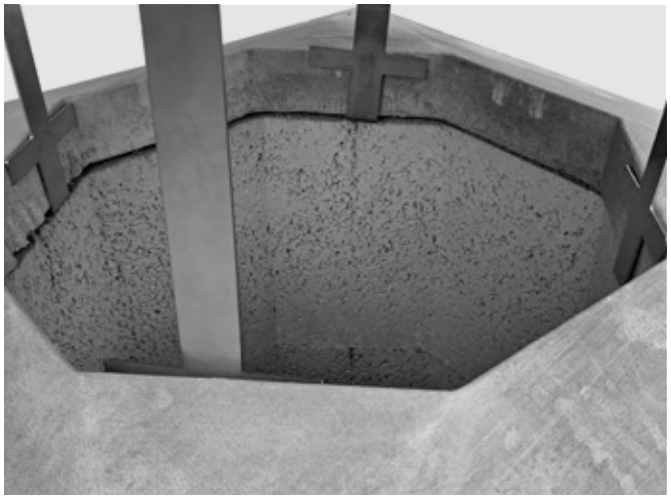
Drill 2 x 12mm diameter holes in the front row of the firebricks. Push log retainer holders in place.

Then push fit the log retainer bars into the slots.

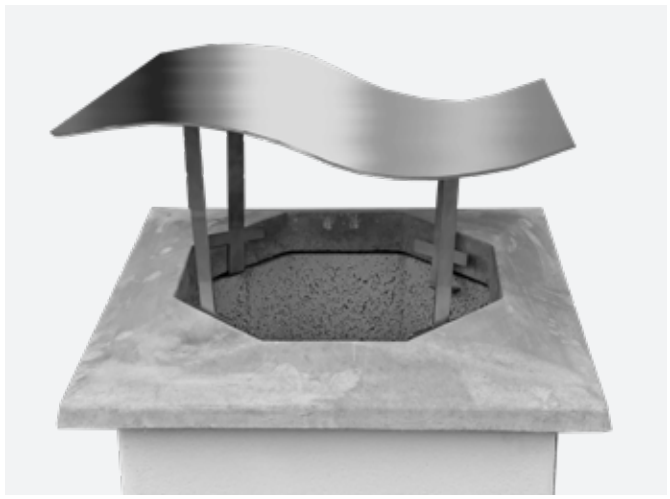
# Optional extras - raincap (if purchased)

Locate the etching on the top of the Raincap and loosely fix legs (on the underside) in position according to etching marked on each one.

When the capping is being glued into place, slide the wave legs into the lip glue joint (as per pic).



All are now positioned



Tighten the bolts on the Raincap

# After completion

Once build and rendering is complete, please do not use for at least 72 hours after completion.

On first use, always light a small fire first and increase the size of the fire once the firechest has fully dried out. Only use dried and seasoned wood for the fire. Do not burn plastic or waste products.

# Guarantee

### INTRODUCTION

We are confident in our products and so offer you (the owner) a generous guarantee in relation to the Garden Fireplace.

Provided that you comply in full with your responsibilities (below) and subject to the Small Print (below), we guarantee to you that the fireplace will be free from defects on delivery to you via pallet.

Any blocks or firebricks which are cracked or damaged at the time of delivery will be replaced free of charge.

This guarantee does not cover any major impact to the fireplace (such as wear and tear, wind damage) once the item has been constructed and rendered.

As the fireplace is an outdoor product, standard wear and tear will occur and any structural damage would have to be investigated. In the unlikely event that the fireplace becomes defective during the guarantee period, we will provide replacement component parts and render material free of charge.

### YOUR RESPONSIBILITIES

To benefit from our guarantee, this product will be registered to the address where we delivered it. Please inform us if the fireplace was installed elsewhere.

### HOW TO CLAIM UNDER YOUR GUARANTEE

To claim under your guarantee, please email us at sales.uk@schiedel.com. You will be asked to provide proof that you have complied in full with the terms of usage of the fireplace and that only dried and seasoned firewood has been used as a fuel.

There are a range of optional accessories available for this Garden Fireplace.

Please contact us or your distributor for more details and pricing.

| | Code | Optional extras |
|---|---|---|
| | 157837 | Log Storage for 950 |
| | 130708 | Additional height blocks for 950 |
| | 135093 | Rain cap |
| | 130771 | Lip glue 5kg |
| | 135329 | Render plaster 25kg bag |

## Also from Schiedel: The Celsius, an all-in-one stove and volcanic chimney package

The same material used in the Garden Fireplace; formed from pumice from the Hekla Volcano

The Celsius system is a DEFRA exempt, A+ rated system, which allows zero distance to combustibles.

The ideal stove and chimney combined package for any house development, log cabin, conservatory or outhouse.

Get in touch for more information.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