

Kit form OVEN RANGE



Installation Guide & Operating Instructions

MODELS:

Piccolo

Medio

Supremo

Please read carefully **BEFORE** installing. Retain for future reference.

General Precautions

Carefully read this booklet **BEFORE** installing the oven

Check that all components are present (see parts list on page 11). If there are any missing or damaged parts do not start installation, contact the supplier to arrange replacement. Similarly if the colour marked on the labels for the primer and fine sand do not match the ordered colour contact the supplier to arrange replacement.



Some components are heavy - get assistance from someone of similar height / build for lifting, carrying and setting in place. Component weights are listed in the parts list on page 11.



Wear abrasion/cut resistant leather gloves when handling formed dome sections, metal work, mesh and chicken wire.



Some materials e.g. cement render, primer and fine sand finish present a chemical hazard during use:



Keep out of reach of children and pets

Keep children and pets away from the work area



Causes skin irritation, serious eye damage and may cause an allergic reaction



Wear impermeable gloves e.g. Nitrile rubber when working with wet materials



Wear eye protection when mixing and working wet materials



Thoroughly wash hands after handling materials, especially before eating or drinking



During use the oven will become hot and can remain so for a significant time after the fire has died out.

Care should be taken when approaching or using the oven to protect exposed hands and arms.



The use of correct cooking and cleaning tools is strongly recommended.

Installation Considerations

The Clean Air Act allowed the establishment of Smoke Control Zones by local authorities.

- Smoke may not be emitted from a chimney unless it is from an authorised fuel or the appliance is exempt
 - Wood is not an authorised fuel
 - The IMS Outdoor Oven is not an exempt appliance
- Free standing Outdoor Ovens, like barbecues, are excluded from this legislation but to satisfy the exclusion:
 - the installation must be outdoors
 - its chimney must not pass through a building (including an out-house or summer house)
- Could smoke from the oven cause nuisance:
 - to neighbours?
 - by drifting across a public highway posing a danger to traffic?
- Is the location sheltered from strong winds?
- Is the location away from any combustible materials such as wooden fences, garden sheds, shrubs and bushes?
- Is the location away from residential property to prevent smoke entering through open windows or doors?
- Is the location away from main thoroughfares where children, elderly or infirm regularly pass?

Installing the oven

NOTE: Separate use instructions are supplied on the packaging or available as a separate instruction sheet for render, primer and fine sand finish and should be read in conjunction with this guide.

Step 1

- Ensure surface to build on is flat and clean and free of debris
- Any structure should be safe and capable of supporting the weight of the oven before continuing

Piccolo 80 kg
Medio 165 kg
Supremo 290 kg

- Ensure structure is fixed and stable
- Ensure height of structure is high enough to enable easy access and good visibility to cooking area

Step 2

- With suitable assistance place the insulated hearth on the surface of the structure
- No cement or adhesive is required

Piccolo 1 piece
Medio 1 piece
Supremo 2 piece set



- With suitable assistance place the dense hearth on top of the insulated hearth
- For Medio & Supremo, the join in the hearth sections should be sealed (maximum 2mm joint) using the Ultra Wrightset Super.

Piccolo 1 piece
Medio 2 piece set
Supremo 3 piece set



Step 3

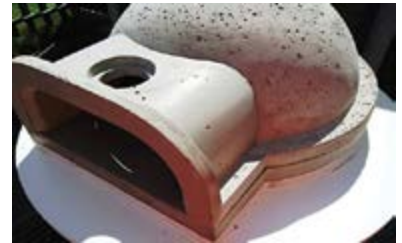
- With suitable assistance where required arrange the dome piece(s) on top of the hearth
- These should be cemented in place (maximum 2mm joint) using Ultra Wrightset Super. For Medio & Supremo the join between the dome sections should also be sealed using Ultra Wrightset Super.

Piccolo 1 piece
Medio 3 piece set
Supremo 4 piece set



Step 4

- Install the doorway
- This should be jointed (maximum 2mm joint) with Ultra Wflightset Super
- Ensure door is internally aligned



Piccolo shown



Piccolo shown



Piccolo shown

Step 5

- Install the foiled insulation on top of the dome & doorway

Piccolo 1 piece
Medio 2 piece set
Supremo 4 piece set

NOTE: Insulation is based upon amorphous silica which can cause hands to feel dry. Wash thoroughly after handling

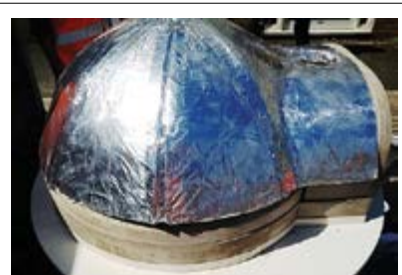


Piccolo shown

Step 6

- Tape the foiled insulation together using the supplied foil tape.

Medio and Supremo.
Piccolo delivered as one piece.



Piccolo shown

Step 7

- Apply the chicken wire over the top of the foil insulation forming it to follow the shape of the dome and entrance. This is required to allow the first render coat to hold on to the dome otherwise the material can slip from the foil making render application difficult.
- Lay the chicken wire over the dome and cut a hole at the front to allow the flue to be fitted
- Pull the chicken wire down around the dome cutting a V-shaped notch up the back to the top of the dome
- Twist the cut ends together along each side of the cut to hold the shape of the chicken wire for later render application



Photo shown

Step 8

- Lay the metalwork over the top of the Dome & Doorway
- Leave any plastic coating in place until the application of render, primer and sand has been completed as this will make cleaning the construction easier
- Trim excess chicken wire from around the base of the metal work



Photo shown

Step 9

- Insert Stainless Steel Flue into opening.
The seam of the flue should face the back of the oven.



Photo shown

Step 10

Render a base coat over the foil insulation/chicken wire

- Equipment:
- Mixing vessel/bucket
 - Electric paddle mixer (slow speed)
 - Stainless Steel smoothing trowel, spatula, notched trowel
- Method:
- Application temperature 5°C - 30°C
 - Do not apply if frosty/raining or frost/rain are anticipated
 - Mix 5.1 litres of water per 30kg bag
 - Thoroughly mix the product until it is an even consistency
 - Rest mix for five minutes before applying
 - Using the notched trowel apply a layer of render
 - Ensure the render is pushed down between the metal work/foil insulation and that there are no air pockets under the chicken wire
- Cleaning:
- Tools & hands should be washed with water before the product dries
- Consult:
- Parex Maite data sheet for further detailed supplier information



Step 11

- Apply the supplied green mesh pushing it in to the render. Mesh may be cut into smaller pieces for ease of application.

- Consult:
- Parex 355 AVU data sheet for further detailed supplier information

Piccolo 1 m²
Medio 2 m²
Supremo 5 m²



Step 12

- Render a top coat over the green mesh. Use the remaining render from Step 10 (render may need remixing if left to sit between Step 10 and Step 12).

- Equipment:
- Mixing vessel/bucket
 - Electric paddle mixer (slow speed)
 - Stainless Steel smoothing trowel, spatula, notched trowel

- Method:
- Application temperature 5°C - 30°C
 - Do not apply if frosty/raining or frost/rain are anticipated
 - Mix 5.1 litres of water per 30kg bag
 - Thoroughly mix the product until it is an even consistency
 - Rest mix for five minutes before applying
 - Using the notched trowel apply a layer of render
 - Allow the render to thoroughly dry for 24 hours minimum before further application

- Cleaning:
- Tools & hands should be washed with water before the product dries

- Consult:
- Parex Maite data sheet for further detailed supplier information



Step 13

- Check the colour marked on the primer label matches the colour listed on the fine sand finish and is as ordered.

- Prepare the DPR primer and cover the render in an even coating

- Equipment:
- Woollen roller or brush

- Method:
- Application temperature 5°C - 30°C
 - Do not apply if frosty/raining or frost/rain are anticipated
 - Thoroughly mix the product until it is an even consistency
 - Avoid creating air bubbles or foam
 - DPR primer must be completely dry before any finish is applied
 - Allow the DPR primer to thoroughly dry for 2 to 12 hours, depending upon ambient temperature and humidity

- Cleaning:
- Tools & hands should be washed with water before the product dries

- Consult:
- Parex DPR Primer data sheet for further detailed supplier information

Step 14

- Check the colour marked on the fine sand finish label matches the colour listed on the primer and is as ordered.
 - Apply fine sand finish coat
- Equipment:
- Stainless Steel float
 - Smooth plastic float
- Method:
- Application temperature 5°C - 30°C
 - Do not apply if frosty/raining or frost/rain are anticipated
 - Thoroughly mix the product until it is an even consistency
 - Avoid creating air bubbles or foam
 - Apply the coat in an even thickness
 - Finish off with smooth plastic trowel. Dry clean the trowel during texturing
 - Protect from rain during and immediately after application
- Cleaning:
- Tools & hands should be washed with water before the product dries
- Consult:
- Parex Fine Sand data sheet for further detailed supplier information



Step 15

- With the oven door lifted, loosen and remove the mounting screw
- With the longest edge uppermost slide glass plate between the rails
- Ensure equal spacing all round
- Re-insert the screw and tighten

Step 16

- Allow oven to fully dry out for 24 hours under normal conditions
- In low temperatures or periods of high humidity drying time will be longer



Step 17

- Before first use remove any plastic coating from the metal work.
- Any splashes of render, primer or fine sand finish can be removed with a plastic scouring pad and warm water

Step 18

- Cure the oven before first use

Using your oven

Curing the Outdoor Oven

- Curing your oven is a crucial step immediately after finishing construction and before using it for the first time
- If your oven is rapidly heated to a high temperature it can result in cracks or fissures affecting performance
- Curing the oven involves lighting a series of fires which are gradually increased in size (and temperature) over a period of time
- It is important during the curing process that the oven remains heated, the fire does not die out and the oven become cold

Using the Oven

- Any wood to be used must be clean, free of paint, glue or chemicals (such as preservatives and stains) as these may release harmful combustion products that may taint any food being prepared
- Green, sappy wood or seasoned wood with moisture content greater than 20% will cause excessive smoke
- Ideally you should only use dry seasoned wood as this gives a cleaner burn and more even temperature
- To start the fire use a soft wood
- Kindling should be cut into lengths approximately 200 - 300mm and be no thicker than a small finger
- Crumpled paper should be used to start the fire rather than any fluid or lighter block
- It is easier to set the fire on the paddle, then once established insert the burning material in to the oven
- As the kindling burns away add hard wood 200 - 300mm length and no more than 15mm in diameter
- During firing the oven door should be left partially open
- As your fire increases in heat add more hardwood
NOTE during wet weather or low ambient temperatures during autumn/winter fire building should be undertaken more slowly over 30 minutes to avoid rapid heat rise that may result in fractures
- It is perfectly normal for the inside of the oven to turn black as it is fired, due to deposits from smoke and resin in the wood
- It is recommended to use a thermocouple or temperature gun to monitor the oven temperature
- When the oven has reached @350 - 400°C spread the embers evenly over the oven floor to store as much heat as possible into the cooking base
- Move the fire to one side and sweep any remaining embers to the side with a natural fibre brush
- During long periods of cooking top up with more wood moving the embers around to maintain an even temperature within the oven

Checking the temperature of the Oven for cooking

- Carefully throw a handful of flour across the centre of the oven floor - if the flour bursts into flames or blackens within 10 seconds the floor is too hot and will burn the pizza base
- You can lower the oven temperature by removing embers using the shovel or leaving the door open
- If the flour browns in 10 seconds the oven is ready for use

Caring for your Oven

- Ensure water does not get on to the cooking base
- When not in use place a cap on the flue and close the door
- When cool cover the oven to prevent water penetrating the shell which could freeze and crack the covering
- The high temperature achieved during firing acts as self-cleaning mechanism burning away spilled food, grease, any bacteria or bugs
- When cool sweep out any ash or embers with a natural bristle brush or wire brush
- Do not put hot ashes or embers in to plastic bins or metal bins with combustible items such as clothing or paper

Parts List

Oven size	Piccolo - Small			Medio - Medium			Supremo - Large		
Part Description	Quantity	Part No	kg	Quantity	Part No	kg	Quantity	Part No	kg
Insulated Hearth	1	10864	5	1	10865	10	2 pc set	10866	17
Dense Hearth	1	10867	20	2 pc set	10868	44	3 pc set	10869	78
Dome	1	10870	25	-	-	-	-	-	-
Rear Left 1/3	-	-	-	1	10872	25	-	-	-
Rear Right 1/3	-	-	-	1	10873	25	-	-	-
Front 1/3	-	-	-	1	10874	25	-	-	-
Front Left 1/4	-	-	-	-	-	-	1	10876	30
Rear Left 1/4	-	-	-	-	-	-	1	10877	30
Rear Right 1/4	-	-	-	-	-	-	1	10878	30
Front Right 1/4	-	-	-	-	-	-	1	10879	30
Doorway	1	10871	10	1	10875	18	1	10880	25
Foil Insulation Dome	1	10881	0.5	3	10882	1	5	10883	3
Foil Insulation Entryway	1	10884	0.2	1	10885	0.5	1	10886	1.5
Foil jointing tape	1	10887	0.1	1	10887	0.1	1	10887	0.1
Galvanized Chicken Wire	1 m ²	-	-	2 m ²	-	-	5 m ²	-	-
IMS Mesh	1 m ²	10888	0.1	2 m ²	10888	0.1	5 m ²	10888	0.25
Ultra Wightset Super	300 ml	11187	0.5	300 ml	11187	0.5	300 ml	11187	0.5
DPR Primer*	0.5 ltr	10889	1	1 ltr	10889	2	2 ltr	10889	4
DPR Fine Sand Finish*	1 ltr	10890	2	3 ltr	10890	6	5 ltr	10890	10
Maitte Monocomposant render	1 bag	10891	30	1 bag	10891	30	2 bag	10891	30
Stainless Steel Assembly	1	10892	2	1	10893	5	1	10894	10
Heat Resistant glass panel	1	10895	0.1	1	10896	0.15	1	10897	0.15
Optional items not included with oven kit									
Short handle paddle	Option	-	-	Option	-	-	Option	-	-
Long handle paddle	Option	-	-	Option	-	-	Option	-	-
Temperature Gun	Option	10901	-	Option	10901	-	Option	10901	-

* Available colours: Limestone, Slate Grey, Tundra, Spice Tan, Spicy Sunset, Cashmere (primer and fine sand supplied as the same colour)

For items listed at more than or equal to 10kg caution is advised when handling. Obtain suitable assistance.

IMPORTANT: Directions for installation and use are given for guidance only and are not intended to form part of any contract. Goods supplied by the company are made to approved standards from the highest quality raw materials but no warranty or guarantee is given as to their suitability for any particular purpose or application, and no liability is accepted for any loss or damage arising directly or indirectly from the use of the Company's products irrespective of any information given to us as to intended use of such products.