



LUNAR - MANUAL & SMART BIOETHANOL BURNERS

Lunar Care and Maintenance Information

Thank you for choosing our Hard by Design Lunar Bioethanol Burner. Our Fireplace surrounds are handmade using a custom engineered proprietary concrete mix that we have developed ourselves. All of our products have been finished and sealed with our standard sealant.

As with every natural product, concrete will react to its environment. Products are not under warranty against staining. Cleaning regularly will protect your fireplace surround.

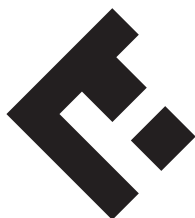
BIOETHANOL BURNER CARE/ MAINTENANCE AND CLEANING

- We recommend using a mild solution of a non-abrasive cleaner. We would recommend Method All-Purpose Natural Surface Cleaner. Spray this solution across the surface and wipe down with a sponge or towel.
- The use of most natural cleaners (often citrus based) is not recommended for cleaning our concrete products, as typically these cleaners are highly acidic and can damage the natural materials used in creating our products.

- The use of aggressive cleaning agents or any other chemicals that are reactive to the concrete will wear down the sealant and permanently stain and damage the concrete surfaces, therefore should not be used.

REGULAR MAINTENANCE

- To fully care and maintain your Hard by Design fire surround you should wax it periodically. Waxing provides additional protection and is a simple and quick process. We recommend using Trewax Clear Paste Wax. ***This product can be purchased online or with us at Hard by Design.***
- Use the included sponge or a soft, clean cotton cloth when waxing the surfaces of your concrete product. First you should dampen with clean water and wring out completely. Apply in circular motions a thin layer of wax in small manageable sections, we recommend areas no larger than 1m².
- With the same circular motion, remove excess wax using a new clean cloth. Buffing works the wax into the concrete. Move to the next section overlapping the last section slightly to create an even finish.
- A thick layer of wax does not add extra protection or speed up the waxing process therefore should not be applied or left on the surface at any time.
- Do not apply wax to in direct sunlight or in extreme heat.



**HARD BY
DESIGN**
Purveyors of Fine Concrete

27 Edentrumley Road, Mayobridge, Newry, Co. Down, BT34 2SG

t. UK +44 (0)28 3085 0194 t. ROI 00353 (0) 1524 0389

e. info@hardby.design w. www.hardby.design

f. www.facebook.com/hardbydesign



LUNAR - MANUAL & SMART BIOETHANOL BURNERS

Lunar Care and Maintenance Information cont...

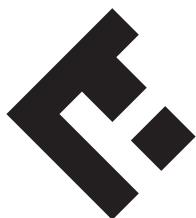
LIMITED WARRANTY

- The standard sealant used by Hard by Design for both interior and exterior products can be expected to develop a patina over time and are not warranted under staining.
- This warranty acknowledges that Hard by Design will repair or replace, at our discretion, any product that fails to meet these conditions.
- Hard by Design will give technical advice and support throughout the lifetime of our products.
- Our warranty does not guarantee against damage created through negligence, abuse, unapproved repairs or failure of substrates.
- This warranty does not cover the repair or replacement of surrounding materials should damage occur during repair or replacement of pieces under warranty.
- This applies only to products that have been handled, installed, and maintained in accordance with the guidelines recommended by Hard by Design.
- As with all natural and handmade materials. Slight variations in both colour and finish is possible and not considered a defect.

- All our products are warranted against structural cracking. Hairline cracks can form but are not considered a defect.

REFINISHING

- Hard by Design provides a refinishing service for its customers.
- Your surfaces should provide you with years of enjoyment under normal use.
- If after several years of wear, you wish to have your concrete product created by us refinished, then please contact our office to make arrangements.
- We recommend the refinishing of our products every 2-5 years, depending on the amount of use.
- Pricing for this is based on the size of each project being refinished as well as the products location.



HARD BY
DESIGN
Purveyors of Fine Concrete

27 Edentrumley Road, Mayobridge, Newry, Co. Down, BT34 2SG

t. UK +44 (0)28 3085 0194 **t.** ROI 00353 (0) 1524 0389

e. info@hardby.design **w.** www.hardby.design

f. www.facebook.com/hardbydesign



LUNAR - MANUAL & SMART BIOETHANOL BURNERS

Basic Information

BURNING BIOETHANOL

- Our HardbyDesign Bioethanol burners are driven by bioethanol fuel.
- It does not emit any unnecessary emissions.
- Bioethanol, like many other products, comes in different qualities and it is important to buy bioethanol of high quality.
- Low quality bioethanol can generate emissions and a bad smell.
- You should only use bioethanol with an alcohol percentage of minimum 96%, which means that the flames will be large and pure.

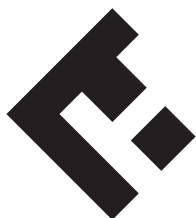
FILLING YOUR BIOETHANOL BURNER

- Simply pour into the combustion chamber of the fireplace.
- Use the included pitcher and funnel, so the bioethanol can be poured down the combustion chamber safely.

- If buying bigger amounts of bioethanol in larger containers, we recommend buying a pump which ensures a safe transition of bioethanol from the container to the burner.
- After filling the burner with bioethanol, ignite the fireplace using a long lighter or long match for safety reasons.

USING BIOETHANOL

- We recommend filling to 2/3rd of the maximum capacity.
- E.g. Wall mounted bioethanol burners have a 1-liter combustion chamber therefore you should only fill it with 0.7 litres of bioethanol.
- This prevents spilling and the potential of any uncontrollable flames.
- Such amount of bioethanol will typically burn between 1.5 and 2 hours, depending on the size of the flame, which typically can be regulated.



HARD BY
DESIGN
Purveyors of Fine Concrete

27 Edentrumley Road, Mayobridge, Newry, Co. Down, BT34 2SG

t. UK +44 (0)28 3085 0194 **t.** ROI 00353 (0) 1524 0389

e. info@hardby.design **w.** www.hardby.design

f. www.facebook.com/hardbydesign



LUNAR - MANUAL & SMART BIOETHANOL BURNERS

Basic Information cont...

WHAT NOT TO DO

- NEVER pour bioethanol into your bioethanol burner while it is still burning or still hot.
- If you are unsure if the fire is still burning, use the extinguishing tool to smother the fire.
- Wait at least 15 minutes before pouring new bioethanol into the combustion chamber.
- Be careful when pouring bioethanol into the burner. If there is any spillage beside the burner, please remove it and ensure that this does not ignite, when the fireplace is lit.

INSTALLING YOUR BURNER

- Make sure to remove all packaging from your bioethanol burner (cardboard, plastic etc).
- Select an appropriate location for the fireplace to be installed where curtains, decorations and other objects will not get in the way.
- The burner is designed to be located at sites of robust and non-combustible surfaces.
- All our wall-mounted bioethanol burners include brackets and screws and they all have an isolated back plate, allowing them to be hung on any type of wall.



HARD BY
DESIGN
Purveyors of Fine Concrete

27 Edentrumley Road, Mayobridge, Newry, Co. Down, BT34 2SG

t. UK +44 (0)28 3085 0194 **t.** ROI 00353 (0) 1524 0389

e. info@hardby.design **w.** www.hardby.design

f. www.facebook.com/hardbydesign