#### ADEPT CONCEPT by ekol







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Introduction Dual-Fuel with bioethanol & wood Adept 'Classic' Inset & for tight spaces Wall mounted Concrete side panels 'Suspense' concrete body Steel base frames Steel side frames Adept 'Pedestal-Curve' Adept Oak-Pedestal Some options... Tech'/spec' & standard dimensions Options list/Order form information Contact and other info'

#### Introduction to Adept concept



The range of options for the Adept concept will never stop developing...

...The evolution of the firebox for the perfect burn maybe complete with the Ekol Adept, but the design potential of its outer surrounding options and the ways in which Adept could interact with you and your environment are infinite.

The Adept Concept is simply based on Ekol's passion to combine the perfect fire experience with practical and beautiful design that can morph to suit your individual style, lifestyle and home.

Here we will begin to explore the options together. More ideas are regularly updated on the Ekol website www.defrastoves.com

**First the techy bit -** Here at Ekol our experienced engineers were put to work in our laboratory and told they cannot come out until they had perfected the ideal firebox for optimum wood burning. As you can imagine it gets hot in the laboratory so we provided plenty of drinking water, food and sleeping facilities.

We are based in the old Saxon town of Wareham on the edge of Poole harbour and close to the Jurassic coastline. Unfortunately for our engineers they don't get to see much of it.

Around 12 months later the engineers emerged with a square box. The box appeared little different to many other square boxes available today - that is until a few logs are put in and it is set alight. The engineers have balanced the optimum air flow design, advanced re-burning of gases for ultra-clean emissions, high efficiency and easy to use controls for maximum heat from your logs with minimal effort from you.

We believe there is great beauty in something so perfectly engineered that it appears so simple.

We decided that these options had to be useful as well as beautiful. We aim to combine practical robust materials which have their own tactile beauty and simple, perfectly proportioned form.



Design stuff - Some modernist designers once said that "form follows function".

Once we had the optimum firebox at the heart of the design, we set about beginning the series of components which determine the way in which the stove is positioned and interacts with its environment.











#### Adept-Dual-Fuel

An (optional) insert system easily lifts in and out of the main firebox allowing the Adept to burn bioethanol liquid fuel which is easy to light, totally clean burning and almost 100% efficient in burning.

Giving out around 1.5 kW of constant heat, a single re-fill lasts up to 5 hours and can be used anytime of year for a warming real-flame fire without having to use logs.

The precision engineered stainless steel burner houses a ceramic wick material which gently and safely releases the fuel at the optimum rate.

When used with bioethanol only, the Adept does not need a chimney system to be installed as the fuel burns so clean and efficiently, extra room ventilation is normally not required.

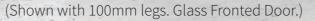
The burner system can simply be lifted out and used outside on the patio table when alfresco dining. Easy to switch off in an instant.

Fuel available at most DIY stores as well as online.

#### Adept 'Classic'

With Simple elegant legs. Self adjusting for uneven floors.

Available in 60mm or 100mm leg heights (or bespoke heights on request).





#### Also useful for tight spaces.

Certified for use as both a freestanding and inset type stove, Adept blurs the lines between these two types of stove which people normally have to choose between.

Due to the dual layer convection body of the Adept and its low clearances to walls required, fitting it into tight spaces is no problem (30mm air gaps recommended).

#### Fully Inset



Can be used with separate fascia/ surround or simply inset into a rendered aperture







The Adept has a much shorter install time compared to most inset / 'cassette' type stoves -This is due to the integrated dual layers of thick steel which make up every Adept stove. Simply fire-board out the aperture in the wall, slide the Adept into the recess keeping 30mm gap all around, then connect the flue from inside the stove.

#### Partially Inset



Due to the Dual-layer convection body, Adept can be partially recessed and becomes a feature emerging from the wall. (Suitable fixing method required to secure in place)

#### Wall Mounted

Comes with easy to use wall mounting bracket.

Saves on floor space and makes a feature of a flat wall.

Can be mounted at any height.

Can be used with top flue, or rear flue exited through the wall.

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## Concrete Hybrid Side Panels



#### Make an architectural statement.

Combining the Adept stove which floats between two vertical panels of Ekol's own CPRTPC (Ceramic Polymer Reinforced Thermal Polished Concrete).

Available in Natural finish as well as Black-Polished and White concrete.

As with all Adept models, choose from three door type options, Regular, Printed Glass Front (double-glazed) or Curved Door/Glass.

## Adept 'Suspense'

The Adept is suspended from a concrete structure. The concrete is a special hybrid formulation with ceramic and polymer reinforcement making it incredibly strong.

As with all Adept versions it is available for top or rear flue exit.

Available in Natural finish, White or Black. The colour is created when casting and the finished surface has a sensuous tactile appearance and feel.

Each Adept Suspense is hand-crafted to order.

Shown here with Natural finish. Standard door in Light Grey, and stove body in Charcoal.

#### Steel Base Frames





Frames can be finished in contrasting Gloss-White or any other standard colour option.

# Adept Steel Side Frames

As well as giving the Adept a unique look poised between the supports, the side frames also help to increase the stove's overall width giving it more of a presence across an expansive wall or hearth, or when positioned in a larger fireplace recess.



### Adept Steel Side Frames

man and a shipping the house and

Shown here in White Gloss with Curve Door

#### Adept Pedestal-Curve

Here the Adept is given a curved cylindrical front with matching extra-strong curved glass, and raised on its integrated pedestal base.

The base has its own magnetic closing door concealing a large storage base underneath.



#### Adept Oak-Pedestal

Individually hand crafted from European stave oak slabs. Made to order in the heart of Dorset on the fringes of Poole Harbour.

Makes a perfect store for your fire lighting bits and pieces and some logs.

Designed to add practical height and concealed storage as well as making a unique design statement.

Finished in a rich durable wax-oil which accentuates the dense oak grain.







# Steel Side Frames (Black), Glass Front Door



Concrete Side Supports (Natural), Glass Front



Steel Base Frames, Standard Door





Steel Base Frames, Curved Door

Steel Side Frames (Black), Curved Front



Steel Side Frames (Gloss White), Glass Front Door Classic 60mm legs with Curved Door























'Classic' 100mm legs with Standard Door



Colour options: (colours may vary from printed swatches above, for guidance only)



Oak Pedestal with Curved Door





5 Super pre-heated air-wash system for clean glass and clear view of the fire even cleaner burning) Heavy gauge steel fully-welded body with dual layer construction for rugged reliability, optimal efficiency and clean-burn  $\propto$ Easy -lift-out internal components for fast sweeping 5 Additional layer of insulative firebrick lining for rapid fire starting

> Advanced secondary and tertiary burn for lowest emissions, clear views and mesmerising views of the fire

Highly insulative block base laver

Self levelling feet for uneven ground

Crystal clear ultra-high temperature ceramic viewing window (double-glazed when adding the 'Glass Fronted' door option - this allows the fire to get hotter quicker, for even more rapid fire lighting, and also encourages

> Detachable cool-touch handle extension/multi-tool for effortless handle and vent operations

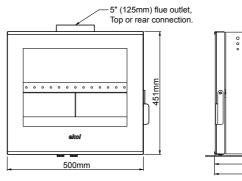
Comes with top and rear

flue options

Full width door for amazing views of the fire

Dual simple-slider controls for intuitive, maximum control of the fire

Large fire-box for convenience



All air is introduced through rear air-intake which can if required be connected to outside air via 3" or 4" ducting. (Optional air intake from underneath is available if required)

bution

Warm air convection system

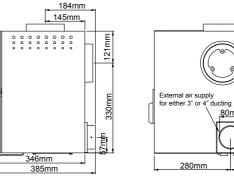
for optimal warm air distri-

Can use 5" (125mm) flue system all the way



#### Dimensions

For overall dimensions of individual versions/customisable parts options, see previous pages 26 & 27.



<u>80mm</u>

220mm

Achievable Heat Output Range	2.0 to 7.5kW									
Nominal Heat Output	5.0kW									
Efficiency	80.3%									
CO <sub>2</sub> emission	11.4%									
CO emission (at 13% O <sub>2</sub> )	0.12%									
Mean flue gas temperature	282 °C									
Mean $C_n H_m$ (at 13 % $O_2$ )	107 Nmg/m <sup>3</sup>									
Mean NOx (at 13 % O <sub>2</sub> )	86 Nmg/m <sup>3</sup>									
DIN Plus dust (at 13 % O <sub>2</sub> )	30 Nmg/m <sup>3</sup>									
Tested to BS, EN (CE), UK Smoke Control (DEFRA), EcoDesign 2022 tested and compliant	$\checkmark$									
Suggested Clearances to Non-combustible materials	30mm all round (to suitably thick solid materials)									
Minimum Clearances to Combustible materials:	• Rear of stove = 200mm (as a free standing stove), when used with optional heat-shield.									
	• Sides of stove = 250mm (when used as a FREE-STANDING stove).									
	• Sides of stove = 100mm (when used as an INSET stove).									
	• Above = 400mm									
Suitable for positioning on hearth of just 12mm thick	$\checkmark$									
<b>10 Year</b> body warranty	$\checkmark$									
Dual fuel capable, bioethanol and wood (fuels must never be used together), when purchased with optional bioethanol burner system (1.5kW output on bioethanol)	<ul><li>✓</li><li>(5 hour refuel period when using bioethanol)</li></ul>									
Air vent in room NOT usually required.	$\checkmark$									
Optional external air kit available for more air-tight buildings (uses 3 inch or 4 inch ducting)	$\checkmark$									
Removable cool-touch handle/ multitool included	$\checkmark$									
<u></u>	29									

	(Please tick ✓ for each of your chosen options)	(Non touc (Mak	-stanc h up s	pray) to cho	olours	come	e with								Requirement			External Air Ducting Kit required? (3m long)				Туре		Door Colour						Top or Rear Flue Outlet Required?	Shield Required?		Kit Required?	
Options Form	Adept Version	Metallic Black (standard)	Charcoal	Light Grey	Silver	Metallic Blue	Patriot Blue	Metallic Black (standard)	Charcoal	Light Grey Silvor	Bitter Metallic Blue	Patriot Blue	Gloss White	None	Rear Connection	Underneath Connection	None	3" (80mm) (For tight	access situations/ 4" (100mm) (Standard)	Standard		Glass Fronted (Double glazed)	Curved Door & Glass	Metallic Black (standard)	Charcoal	Light Grey	Silver	Metallic Blue	Patriot Blue		Yes	No	Yes	No
	Adept Inset / Cassette										-																			(Comes with both options	)			
-	Adept Wall Hung																													(Comes with both options	)			
	Adept + 60mm 'Classic' Fee																													(Comes with both options	)			
	Adept + 100mm 'Classic' Feet																Γ		Γ	Γ										(Comes with both options	)			
	Adept + Concrete Side Supports	ō						Natu Conc		Black Concr		White Conc																		(Comes with both options	)			
D	Adept + Concrete 'Suspense'							Natu Conc		Black Concr		White Conc																		Top Rear				
	Adept + Steel Base Frames																													(Comes with both options	)			
	Adept + Steel Side Frames																													(Comes with both options	)			
	Adept + Oak Pedestal (Storage) Base									Ì	j	ļ																		(Comes with both options	)			
	Adept + Curved Pedestal (Storage) Base												N/A									d Door d as sta	andard)							(Comes with both options	)			

#### Additional Info

Thankyou for taking the time to consider an Ekol Adept. We understand that choosing the right stove can be an important decision.

The Ekol Adept range is at the forefront of environmental advances in stove technology and is amongst the first stoves to surpass all future planned European Ecodesign regulations. You really can feel good about yourself when you light a fire with Adept.

If you would like any guidance at all, please contact either your local Ekol Specialist or you more thanare welcome to contact us directly for any information or support.

Your new Ekol Adept will come with 10 year body warranty for piece of mind, and technical support forever should you need it.

The Adept range of options will continue to expand - if there is a variation or design option you would like but cannot see in the brochure, you can contact us or take a look at the website for new design options as they emerge -

<u>www.defrastoves.com</u> - Here you can also see the rest of the Ekol range of stoves.

For details of your nearest specialist retailer and to see which models they have on display, simply enter your postcode on the website.

Here at Ekol we can be contacted directly by email: enquiries@defrastoves.com, or by phone (UK) +44 (0)1929 555211.





#### Your specialist Ekol dealer is:

www.defrastoves.com +44 (0)1929 555211