

Synopsis of Jessel Innovations

~ Jessel Innovations is a Partnership at present.
Husband and wife team

~ Researched the market and showed Prototypes at National Housing Federation and Ecobuild Exhibitions during a period of 18 months - 2007 - 2008

~ Started in Business December 2008 and introduced first product 3 months later - Ecoflap at the Ecobuild Exhibition March 2009

~ Online resellers at present including purchase direct from Jessel Innovations

~ New products will be available soon - EcoflapEX and Twin Ecoflap. Looking at Door Manufacturing Market and Wholesalers.

~ New development in progress for Cat Flaps and Fire Doors

~ Videos (Fitting; Air Pressure Testing and other) Press reports; Testimonials; Ordering; Policies; all found on: www.ecoflap.co.uk



Mr John Christophers - Assoc. Architects Birmingham " We installed an Ecoflap on our Zero Carbon House. It has worked very well and enabled and helped us to achieve an overall Q50 airtightness of 0.34. For the non-technical this betters building regulations by more than 10 times!"

Berrie Ritchie - Richmond, Surrey "I recently purchased a white Ecoflap from you, which has proved such a success that I would like to order another white one for a friend...."

Steve Bryson, Cheltenham " It looks like it'll do the trick very well, and cover the jagged hole inherited....it's an effective good quality product"

Location

Reading
Berkshire

Email and Tel.

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✓ Barclay's National Business Competition
FINALIST! Judged in top 1% of good
business's/ideas. 3662 successful entrants.

Jessel Innovations

www.ecoflap.co.uk

New concepts - patented design - energy efficiency



Keep your draughts at
Bay TODAY! Help save
your heating costs
with...

.....the original

ECOFLAP

Don't change your complete door furniture. Replace what you have now on the inside of your door, and **SIMPLY** replace with an Ecoflap. Screw caps provided.



NEW! EcoflapEX

Ecoflap with a difference! The different engineering has enabled a flat finish to the flap. All mating surfaces have TPE rubberised over molding. This is the Ecoflap for the future. Will be available Autumn 2010.

Twin EcoFlap

The complete replacement letter box system to fit your door - front to back. The front plate will be metal with a nicely finished surround. Fits flush inside the letter box aperture.

Coming Soon!
"watch this space"

The Ecoflap System

Positively, absolutely, in a class on its own. Don't restrict your mail, restrict your draughts and contribute towards saving on your heating costs.

List of qualities

- ~ Retro fitting - Covers an existing letter box hole from Victorian size up to standard.
- ~ Won't blow open - tested at equivalent wind speed of 114 mph (1700 pascals)
- ~ No brushes or top hinged flaps.
- ~ No springs or catches - no components to break.
- ~ Simple to fit - 5 to 10 minutes. No need to be DIY qualified.
- ~ Lightweight - easy to operate with one hand, and yet sturdy.
- ~ Safe - no snaps to damage mail or hurt fingers.
- ~ Adjusts to size of delivery - up to almost A3 and directory size (YP) in thickness.
- ~ Stops rattles from wind - and rattles from heavy traffic rumbling by.

X



Benefits

- ~ The inside flap is made in ABS 757 material. This is a sturdy thermo plastic which helps stop cold thermally conducted air from the outside plate through to inside the house - especially if metal.
- ~ Ecoflap system takes larger envelopes and small packets thus preventing unnecessary recollections/delivery saving time and carbon emission from transport.
- ~ Deliveries are pushed through the letter box with greater ease and less likely to be left half way in, letting heat out, cold in and advertising that no-one is at home. Especially with newspaper delivery.
- ~ Stops sneaky draughts leakage - even with faulty front plates. These draughts can reach the thermostat regulating central heating, giving false information and kicking the boiler into action and heating up the whole house. See chart indicating what you could be paying for wasted energy.
- ~ From a safety aspect prevents injury to fingers by no snapping of heavy springs, or pets tugging from the other side.



Original Ecoflap Version 1



Now phased out but still deserves a space



EcoflapEX Version 2

Smooth front

- Full Aluminium Bar to help rigidity in extreme weather conditions causing more differential inside and outside temperature change
- All mating surfaces of flap part have TPE rubberised over molding to make perfect seal.
- White £23.99 inc.VAT + p&p £2.99

For those that want to keep their outside Letter Plate.

For a small premium a one -off colour can be supplied in Brown, black, white with silver flap and white with gold flap. £24.99 inc.VAT + p&p £2.99. All price are unchanged despite the new increase in VAT.

It is advisable to keep updated with the website regarding colours.

www.ecoflap.co.uk



For those that wish a complete letter box change

On target to come to market soon. Fewer outside letter plates missing due to vandalism or broken springs. Not pictured yet.

Twin Ecoflap

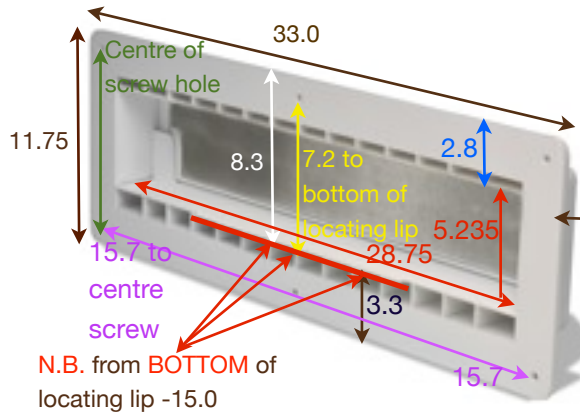
Complete Integral letter box system

- To be announced with details when available
- Will include a decorative front metal plate
- Price to be announced.

Measurements & Fitting

Btu/per hour Wastage

Ecoflap and EcoflapEX Measurements (in cms)



Bolts protruding from the outside flap, including the nuts, must not be wider than 28.75 cms to fit INSIDE the Ecoflap recess, otherwise the bolts will need to be recessed. The hole can be larger as long as it is within the flange.

Flange

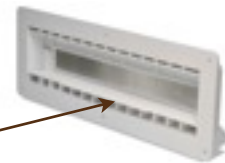
If hole is over 7.2 cms and less than 8.3 cms in height, Ecoflap will still work even if the cap is fitted, and this screw is not used.

N.B. from **BOTTOM** of locating lip -15.0

Ecoflap can be either screwed or adhered with kitchen/bathroom sealant. Caps are provided for aesthetic appearance. Screws recommended are 2.5mm - 3mm and 12mm - 15mm long, countersunk.

Fitting: Remove your existing draught proofing system

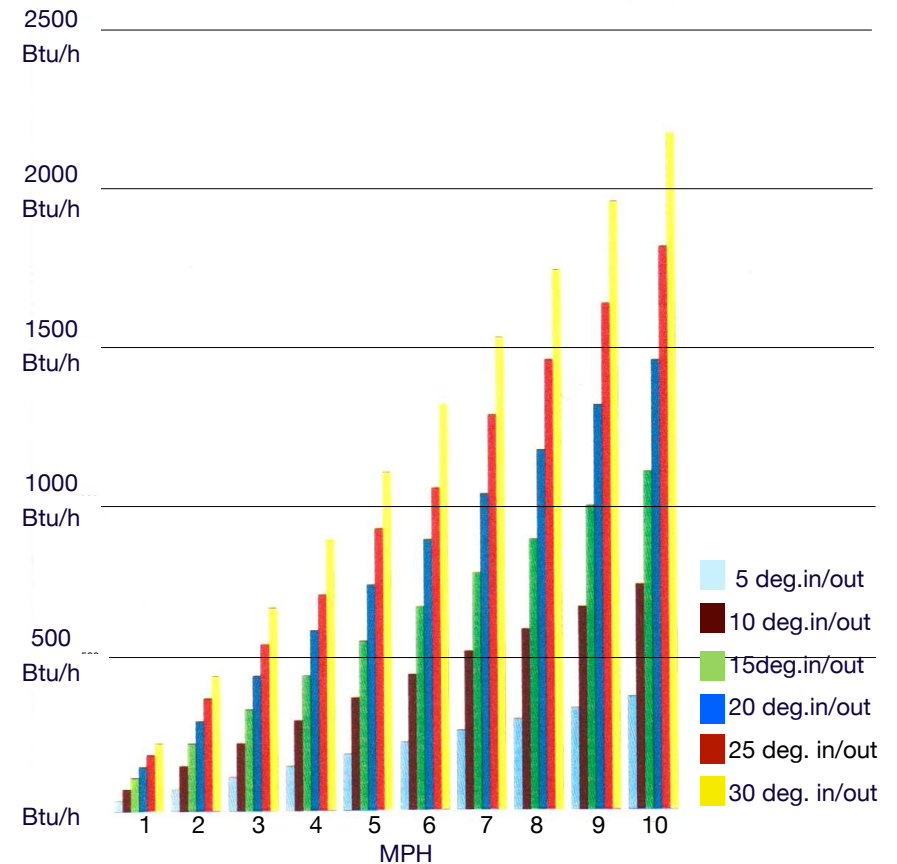
- 1) Measure the hole and mark the centre of top edge.
- 2) Take your Ecoflap and locate the "lining up" lip at the back
- 3) Rest the lip onto and inside the lower edge of the letter box hole.
- 4) Bring the central screw hole in line with your centre mark.
- 5) Tape along the top to hold in place. The bottom is already supported by the locator lip.
- 6) There are six screw holes. Screw into the door. NB Screws not provided, due to varying depth of door and materials. *Depth of screws recommended are 3.5 mm x 12 - 15 mm countersink.* Finish by fitting the caps for aesthetic appearance.



Adhering Method "good, practical Ecoflap giving immediate effect and benefit"

- 1) First apply screw caps
- 2) Turn over and apply kitchen or bathroom sealant (available from hardware depts.) around the flange. Line up (3 & 4 above). Tape across the top to hold in place until set.

What you are paying for in lost heat



Heat loss through a typical letter box 8" x 2" = 16 sq. inches (100 sq cms) with a temperature difference internal to external of 5 to 30 degrees fahrenheit and with a breeze of 1 mph to 10 mph indicate BTU/h needed to replace lost heat. Damp air could cost more than 4 x this energy. Correlated from www.engineeringtoolbox.com

Questions and Answers

Some common questions

1) Why won't the Ecoflap system blow open?

The product is finely balanced - the plate is biased so that the opening force is counteracted by a greater closing force. Recent testing proved it won't blow open and closed AGAINST an equivalent wind speed of 114 mph (1700 pascals). Also the product received a good soaking with pressures of air and water at 100 pascals without leakage. The videos on the website are very informative

2) Why is it draughtproof?

The plate won't rattle either by wind or passing traffic rumbling by, thus no cold air will filter in and no heat will escape. It'll keep you warm even if the outside flap became faulty - or hypothetically you didn't have one!

3) Why is it classed as Eco-friendly?

It will contribute towards saving energy costs. The letter box can be a silent culprit for losing heat. It has been said that up to 27% heat can be lost - depending upon whether letter box is slightly or widely propped open with newspapers etc.

4) I have a favourite plate on the outside of my door. Sizewise will it work?

Yes it would. The Ecoflap system is retro fitting and will accommodate post up to 10.25" wide (260mm) and approximately 1.75" (42mm high). The Ecoflap will suit a hole up to 3.1" (80mm) and over 12" (300mm) wide.

5) My outside plate on my letter box is metal. Will it be ok with plastic Ecoflap?

It will be good for! A metal plate can contribute to cold air being conducted through to the inside plate and consequently inside your house. Being made in ABS thermo plastic, it will act as a barrier having lower thermal conducting properties.

6) My doors bang when there is a through draught - will it stop this?

It'll certainly help the situation. There is no direct passage of air through the plate in either direction.

7) Why is it safe?

There are no springs to snap and bite your fingers.

8) Why is it simpler to use?

It's lightweight and conveniently operated by one hand. There are no brushes to obstruct deliveries. It adjusts to the size of the delivery and has no components to break. Ecoflap can be fitted in 5-10 minutes. It's retro fitting and thus no confusion re the sizes. Fits over Victorian sized letter plate holes up to Standard sizes. Can be screwed or adhered with kitchen sealant. There are aesthetic screw caps supplied.

9) Can my Ecoflap be painted?

Questions and Answers

Occasionally we're asked this. Yes...you can change the colour. Ecoflap is NOT to be painted. It must only be finely sprayed on the outside x 3 with an interval of 5 minutes between each coat. It must never be sprayed on the inside - this could affect the working operation of Ecoflap. Never spray another coat once dried. This could cause a wrinkly rustic appearance. The spray recommended is *Plasti-Kote*. This does not affect the material of Ecoflap but not guaranteed. You can obtain *Plasti-Kote* from hardware stores. A 100mls can will spray 3 Ecoflaps

10) How much does the Ecoflap Cost?

Ecoflap £19.99 **EcoflapEX** £23.99 **Twinn Ecoflap** proposed £29.99 all + p&p £2.99

More than one unit postage FREE

11) Paying Methods

~Online payments via PayPal

~Visa, or Mastercard accepted over the phone

~Money orders or cheques can be posted and made out to Jessel Innovations, Chagford Road, Reading, Berkshire RG2 8AZ

~Postage and packing for USA and Europe please add a further £2

12) Returns

~These are accepted within two weeks of receipt. A full refund will be given if in good condition. Please read policies on website - www.ecoflap.co.uk/policies.htm

Possible Solutions for awkward Installations

Thin depth doors and long inward opening outside letter flaps.

Ask for one of our widgets.

Outside letter box bolts come through making contact with the Ecoflap flange

Either recess the bolts or "picture frame" over the bolts. Fix Ecoflap to this

Letter box hole is slightly too high and the middle screw will fit into nothing!

Fit the aesthetic screw cap and use the other 5 screw holes for fixing. Or adhere.

Cross bar is narrow on the door. The Ecoflap flange will overhang the glass above.

Remove top flange and adhere with screw caps in place.

Letter box too short widthwise to take locating lip.

Snip off with nail scissors to required width.

Door has an irregular surface for good seal.

The adhering method with sealant will help this by molding to contours of the door.