



# EXCEL

THE MOST DURABLE, EASIEST TO INSTALL  
RESIDENTIAL CHIMNEY SYSTEM YOU CAN BUY



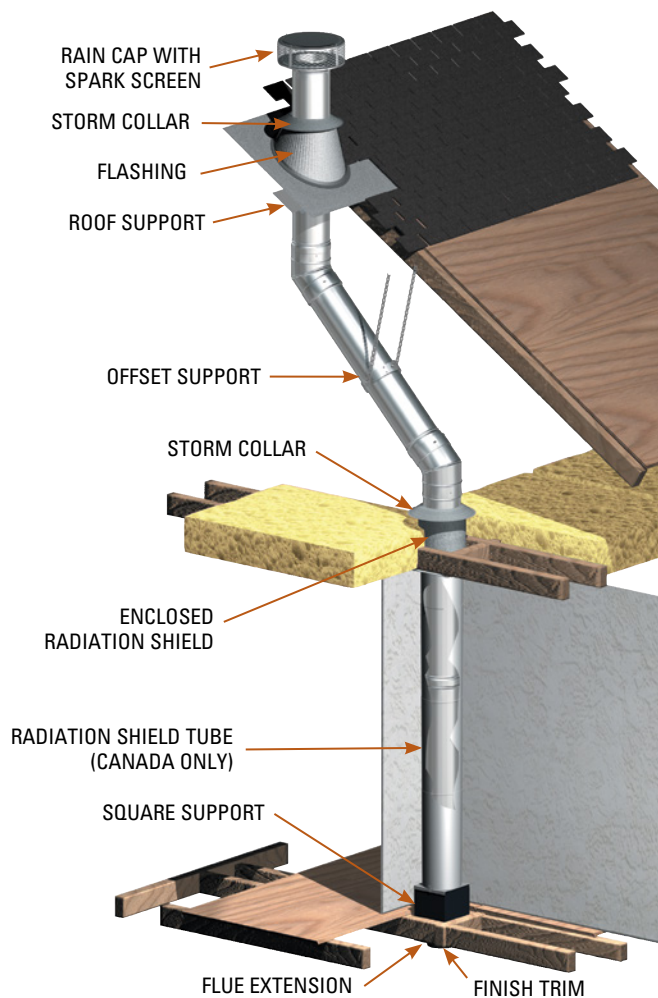
# ULTRABlack

NEVER EVER BUY ANOTHER STOVE PIPE

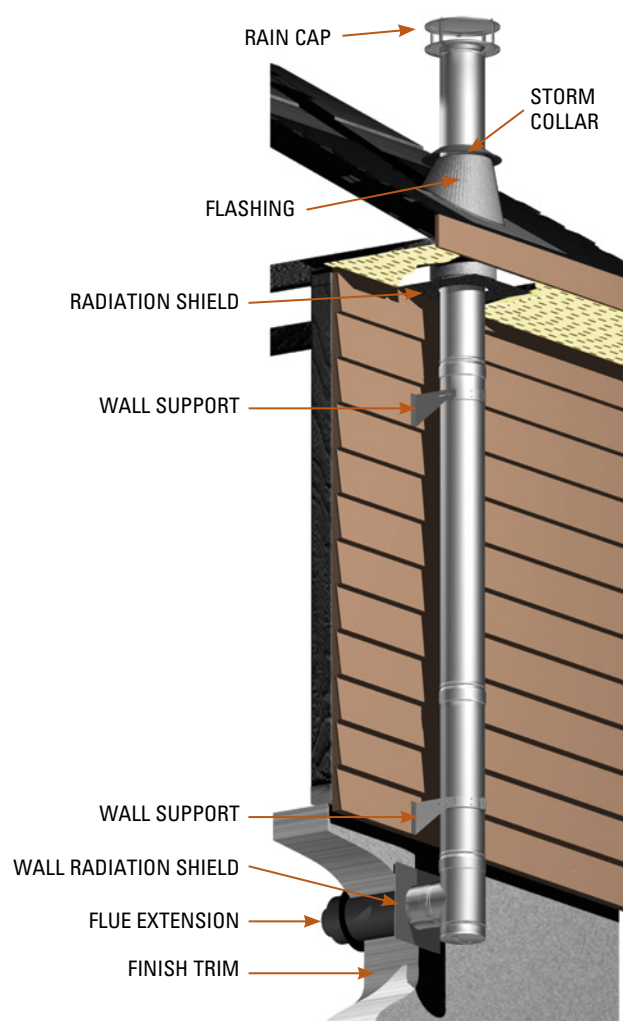
# EXCEL Chimney

To determine what EXCEL parts you need for your woodstove installation, try the ICC Chimney Configurator which can be found on our website at [www.icc-rsf.com](http://www.icc-rsf.com)

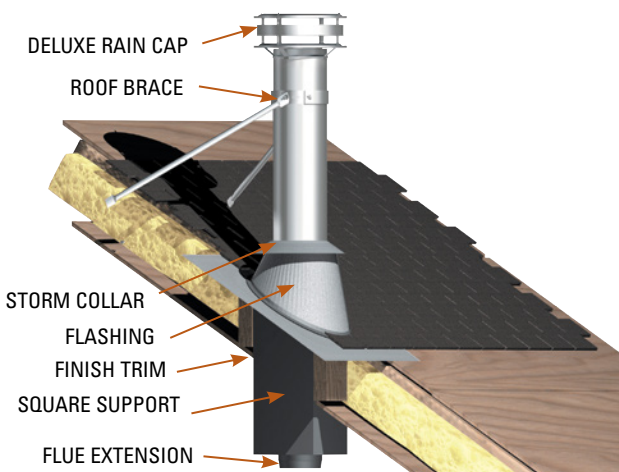
## OFFSET



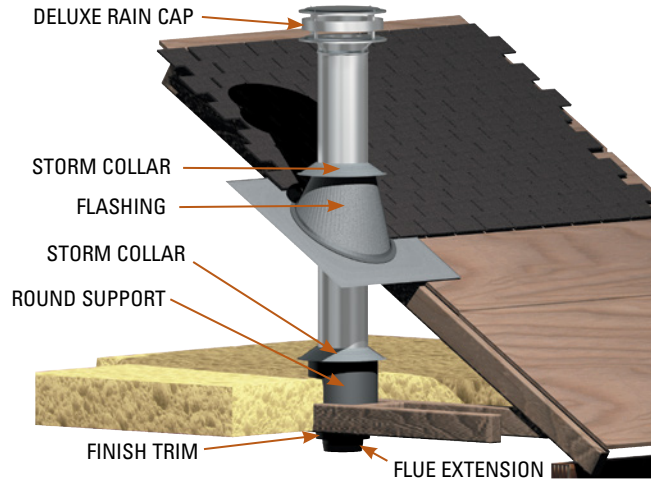
## EXTERIOR



## CATHEDRAL CEILING



## SINGLE STORY



# EXCEL Chimney is Certified to Withstand Chimney Fires

- EXCEL is tested and listed to the ULC S-629 chimney standard. The ULC standard is generally considered the toughest residential chimney standard in the world. The USA standard requires the chimney to withstand three 10-minute 2100°F chimney fires. The Canadian standard requires the chimney to withstand three 30-minute chimney fires, **three times longer than the USA.**
- EXCEL was the first 1 inch wall chimney to pass the ULC standard.

# You have less chance of a chimney fire with EXCEL

- EXCEL's unique thermoplus insulation has an extremely high insulating value that helps to keep flue gasses hot. Creosote won't condense in a hot flue.
- EXCEL is the lightest weight chimney of its kind on the market. This low thermal mass enables it to heat up quickly, reducing creosote formation. And EXCEL's light weight helps make it the easiest chimney to install.
- EXCEL incorporates continuous blanket insulation into a design which eliminates couplings between sections. This means there are no hot spots on the outside, or cool spots on the inside.

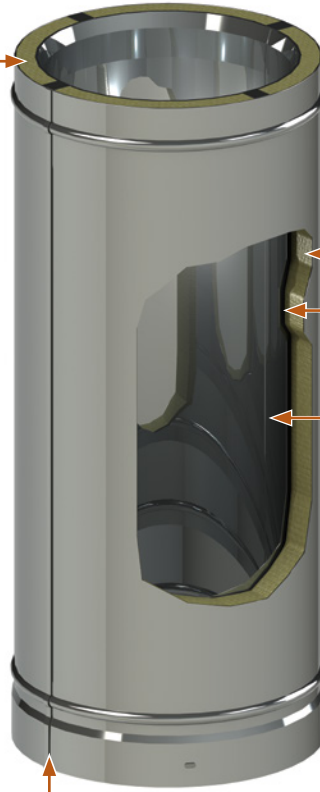
## If you ever have a chimney fire, you'll be glad you have EXCEL Chimney

When a chimney fire erupts, the chimney liner goes from cool to hot in less than a minute. If the chimney design prevents the hot liner from expanding easily (a red hot stainless steel liner is extremely soft and flexible) the liner will buckle permanently. EXCEL's unique design allows it to undergo repeated chimney fires without damage. That's why we are able to warrant EXCEL against damage from chimney fires.

## Innovative Engineering

EXCEL does not have end caps. Eliminating end caps solves two major chimney design problems.

- End caps make the chimney more rigid at the joints, and can inhibit the ability of the flue to expand and contract. A hot flue needs to be able to expand without resistance to survive a chimney fire without damage.
- End caps conduct heat from the flue to the outside casing resulting in a cooler flue and a hotter outer casing, exactly the opposite of how a chimney is supposed to work.



## Premium Materials

- EXCEL is made with soft flexible "Thermoplus" blanket insulation. "Thermoplus" stays soft even after years of use and multiple chimney fires. This allows the flue to expand easily during a chimney fire. The insulation used by the packed chimney manufacturers is forced in under pressure and can inhibit the ability of the flue to expand during a chimney fire resulting in a destroyed chimney. Blanket insulation cannot settle like packed insulation.
- EXCEL's flue is .016", stainless steel.
- EXCEL's casing is .016", stainless steel.

## Superior Construction

EXCEL's continuous seam welded construction eliminates the weakest link in chimney design - the lock seam.

Continuous welding is slower and more expensive than conventional methods but it pays off by reducing mechanical stress under chimney fire conditions. Seam welding insures that the chimney is completely gas and water tight too, eliminating the possibility of moisture entering the chimney through the seams.



Improve the performance & appearance of your **EXCEL** chimney with specialty flashings & rain caps.

**DELUXE RAIN CAP**

The only cap in the industry covered by a lifetime warranty

**REVOLVING RAIN CAP**

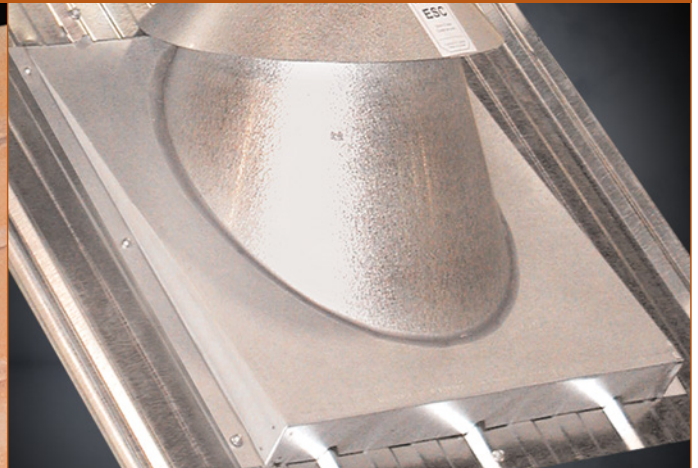
Perfect for a high wind areas

**FLEXIBLE BASE FLASHING**

Customizable to any roof shape

**METAL ROOF FLASHING**

The easiest flashing to install on a metal roof ever made

**ADJUSTABLE PEAK FLASHING**

Fits any peak from 2/12 to 12/12

**RAIN/WIND SHIELD**

Additional protection for regular or deluxe caps



# EXCEL Technical Information

## Certification

Excel is tested and listed by Warnock Hersey - Intertek Testing Services to two safety standards:

**UL 103HT - The standard for solid and liquid fuel chimneys installed in the USA.** Along with many other tests, the UL 103HT Standard requires the chimney to withstand three 10 minute chimney fires at 2100°F. **Listing #5965**

**ULC S-629 - The standard for solid and liquid fuel chimneys installed in the USA.** Along with many other tests, the ULC S-629 Standard requires the chimney to withstand three 30 minute chimney fires at 2100°F. **Listing #5965**

## Applications

Excel chimney is suitable for use on appliances that burn:

- Wood
- Oil
- Coal
- Gas
- Charcoal

It is specifically engineered for wood burning stoves, fireplaces and residential furnaces.

## Allowable Flue Gas Temperatures

Max continuous	650°C (1200°F)
Brief Forced Firing	925°C (1700°F)
Tested To	1150°C (2100°F)

## Clearance to Combustible Materials

2" clearance except in areas protected by factory-built supports certified for reduced clearance. Excel round and square supports permit the chimney to be installed with approximately 1" of clearance - in the area shielded by the support.

## Construction

**Flue:** .016" stainless steel

**Casing:** .016" stainless steel

**Seam:** Interior and exterior seams are continuous seam welded

**Insulation:** Thermoplus continuous blanket

**Wall thickness:** 1"

**Paint:** All black EXCEL components are painted with Forrest "Stove Bright" flat black paint

EXCEL Dimensions and Support Capacities				
Chimney size	5"	6"	7"	8"
Rough opening required	(INCHES)			
Round support (ERDS)	10 x 10	10 x 10	11 x 11	12 x 12
Square support (ESS)	N/A	10 x 10	11 x 11	12 x 12
Roof support (ESR)	11 x 11	12 x 12	13 x 13	14 x 14
Offset support (EOS)	11 x 11	12 x 12	13 x 13	14 x 14
Radiation shield (ERS & ERSA)	11 x 11	12 x 12	13 x 13	14 x 14
Wall radiation shield (EWRS)	10 x 10	10 x 10	11 x 11	12 x 12
Maximum height per support	(FEET)			
Round support (ERDS)	65	55	50	45
Square support (ESS)	N/A	55	50	45
Roof support (ESR)	65	55	50	45
Wall support (EWS)	50	44	37	35
Offset support (EOS)	35	30	27	25
Radiation shields must be used at all floor joist and ceiling areas				



EXCEL has been tested and listed to the UL 103HT and ULC S-629 chimney standards by INTERTEK.

Listing# 5965



# ULTRABlack

DOUBLE WALL STOVE PIPE



## Hi-tech Performance

Double Wall Construction with a 3/8" air space between inner and outer pipes provides superior insulating value to single wall pipe. Better insulating value keeps flue gas temperatures higher. This helps your wood stove perform with an enhanced draft, which provides:

- less chance for moisture or soot build up within the vent
- reduced smoking of the stove at start up
- increased efficiency

ULTRABlack not only keeps the flue temperatures higher, it keeps the outer pipe temperatures cooler. This allows ULTRABlack to be installed with only 6" clearance to combustible materials. Single wall stove pipe requires an 18" clearance, which typically means your wood stove sits further away from the wall and takes up valuable space within the room.

## Most attractive double wall product on the market; no unsightly slots or vents.

The outer casing is constructed of satin coat steel. Satin coat is attractive and durable when painted. ULTRABlack is painted with Forrest "Stove Bright" premium quality, high temperature paint to provide a rich appearance that complements your woodstove.



# Never, Ever Buy Another Stove Pipe

Only ULTRABlack is covered by a true, no questions asked,  
100% full replacement, LIFETIME WARRANTY

## Construction

**Flue:** .016" stainless steel

**Casing:** .019" satin coat steel. Satin coat is specifically designed to be painted.

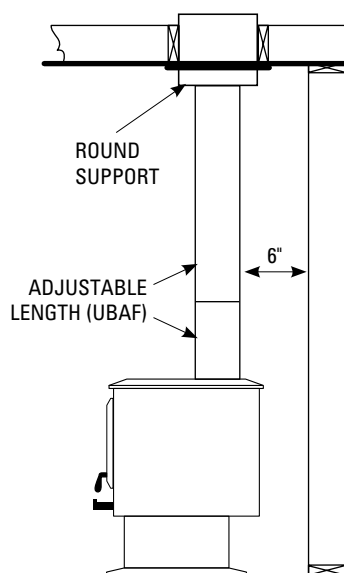
**Seam:** Interior and exterior seams are seam welded.

**Wall thickness:** Approximately 3/8"

**Paint:** Forrest "Stove Bright" flat black.

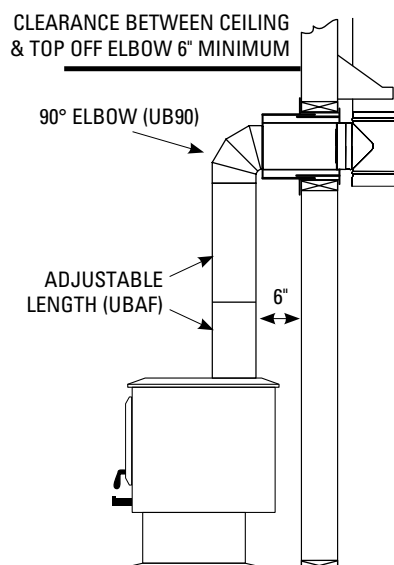
Fits all brands of type A chimney. Fits almost all makes & models of wood stoves.

Fits oval to round.



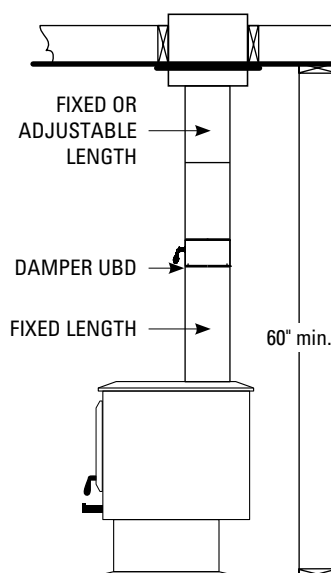
### STRAIGHT UP INSTALLATION

For most straight up installations, the only part required is an adjustable length (UBAF). The UBAF adjusts to allow any overall length from 40" to 68".



### 90° ELBOW INSTALLATION

For most 90° elbow installations, you will only require an elbow (UB90) and an adjustable length (UBAF). If the height from the top of the stove to the top of the elbow is less than 48", you will require a short length plus a slip length (UBSF) for the vertical section of connector instead of the UBAF.



### DAMPER INSTALLATION (UBD)

The damper (UBD) allows you to control the air drawn through your chimney. As such, it controls your stove's combustion. When the handle is in the horizontal position, the damper is closed, creating a restriction in the chimney as far as combustion gases are concerned, and reducing the combustion process inside the stove. (In the close position, the damper is still 20% open so as not to completely block the chimney).

# We Build It Better, So We Back It Longer

## EXCEL Lifetime Limited Warranty

Industrial Chimney Company (ICC) warrants its EXCEL chimney systems to be free from functional failure due to defects in material or workmanship for as long as the original consumer owns the chimney system. This warranty provides for replacement of any components which fail as a result of normal use on a residential fireplace, wood burning stove, furnace or boiler and includes replacement of any components damaged as a result of a chimney fire. (Note: chimney fires are dangerous and preventable. We strongly encourage you to have your chimney cleaned regularly.) ICC warrants all stainless steel chimney components against perforation as a result of corrosion. This warranty does not cover damage caused to the building by chimney fires or misuse of the product.

No claims under this warranty will be honored unless ICC is notified of the potential claim and is given the opportunity to have one of its agents examine the chimney prior to replacement.

ICC will only be responsible for repair or replacement of any components found to be defective under this warranty. In no event shall ICC be responsible for any incidental or consequential damage caused by defects in the EXCEL chimney system.

During the first ten years of the warranty, ICC will provide replacement chimney components at no charge. During

the balance of the warranty, ICC will provide replacement chimney components at 50% of the current retail price at the time of the warranty claim.

ICC will not be responsible for labor of any kind required in the removal or replacement of an EXCEL system replaced under this warranty.

These chimneys are designed to vent residential heating oil, untreated wood, low sulphur coal, and natural or LP gas. They are designed to operate at a continuous temperature of 650°C (1200°F) or less. They are not designed to vent condensing oil or gas appliances. This warranty is void if the chimney is used in an application for which it is not designed.

The EXCEL systems must be installed according to the installation instructions included with every system at the time of purchase. If you do not have a set of installation instructions, they are available free upon request. This warranty is void if the chimney is not installed according to the installation instructions.

This warranty may not be extended or modified by our agents or representatives. This warranty is in lieu of all other express warranties or guarantees, of any kind.

This warranty is effective as of January 1, 2001.

## ULTRABlack No Hassle Lifetime Warranty

We warranty the ULTRABlack chimney connector against burn out when it is used to vent a wood burning stove or free standing fireplace. If any component of your ULTRABlack stove pipe system ever burns out (develops a perforation as a result of use or corrosion), simply return it to any EXCEL dealer for a replacement part at no charge. Sorry, we won't pay any labor to remove or replace the ULTRABlack, and we won't pay the freight between you and the dealer.

The fine print: You don't need your original bill of sale. You don't need the date of installation. You don't need to show us that the chimney was cleaned regularly (but we do recommend it). You don't need to fill out a warranty card. You don't even need to know our toll-free number. Just bring the ULTRABlack to your local EXCEL dealer and they will give you a new one. Period.



**Industrial Chimney Company Inc.**  
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