

INSTALLING YOUR  
**METAL CHIMNEY FLASHING KIT**

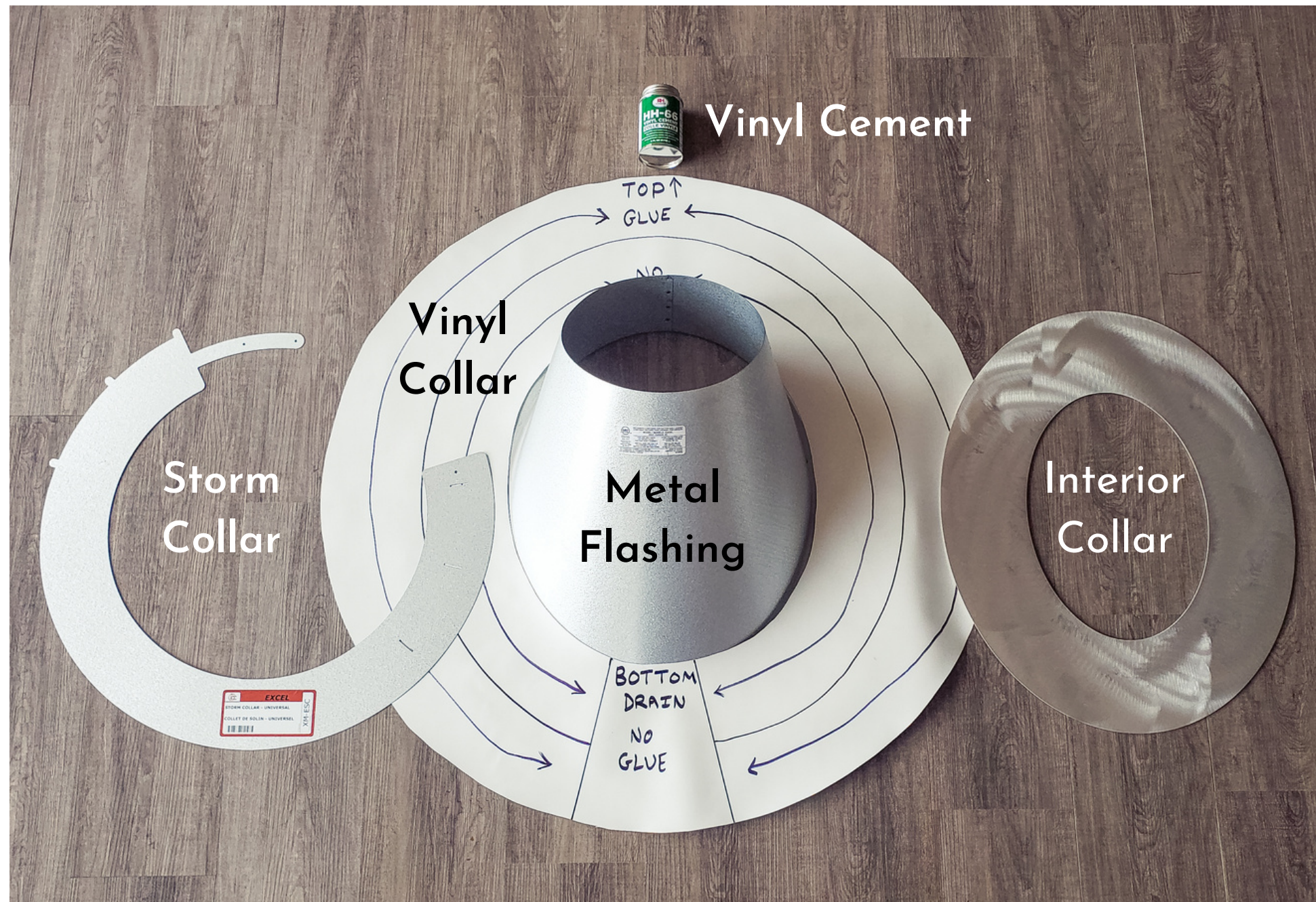


PHOENIX DOMES



# You Will Need:

- Metal Flashing/Storm Collar/Interior Collar/Vinyl Collar/Vinyl Cement
- Wood Stove with Stove Pipe -Insulated Chimney Pipe with 8" Outer Diameter -2 Ladders (ideally, 1 interior 1 exterior) -Exacto Knife/Scissors
- Metal Screws/Screw Gun -Paintbrush (or similar) -Paper towels -Tube of Lexel Construction Sealant & Caulking Gun -A Partner!



## 1. Warm Up Your Glue

- HH-66 is ideally applied at 15°C/59°F and above
- If outdoor temperatures are less than this, bring your glue inside inside for a day or so in advance of installation so it can warm up to ambient levels
- The lower the temperature, the more quickly your glue will start to set - bear this in mind. If cold temperatures are unavoidable, you'll want to apply the glue and collar as quickly as possible to prevent premature hardening





## 2. Decide On Location

- Ensure your wood stove has reached its desired final location, and check the clearance requirements on the manufacturers specifications (may be written on stove or found in manual)
- Depending on your situation, a heat shield can sometimes be a good idea to protect walls
- Your chimney pipe does not need to penetrate the roof in the centre of a given ceiling triangle, and locating it in angle vertices can sometimes make the installation of third party chimney supports (optional, see final pages) easier
- Set up your interior ladder now, and add a few lengths of chimney pipe until it becomes clear where the centre of the chimney will line up. Mark this central target via cutting a small X through the layers of your Dome, including the outer cover
- Your lower stove pipe will need to terminate about 24" below the roof penetration - remove any extra lengths of stove pipe now to achieve this level



### 3. Position Your Oval Collar

- The aluminum oval collar is intended to be installed at the internal junction where your insulated chimney meets and passes through the layers of your Dome (not shown - this element is a new addition!)
- Look for the Interior Collar back on Page 1, and imagine it installed at the same angle of the Dome frame triangle your chimney is passing through, pressed right up against your Oxford fabric liner
- To get it in position, it will need to be slid onto your stove pipe before you drop down your insulated chimney in the next step - take a moment to do this now

### 4. Situate Your Insulated Chimney & Metal Flashing

- Assemble a long exterior ladder, and begin by further expanding the hole of your roof penetration with a knife or scissors. To satisfy standard building code, the hole (through all layers) should provide 2" of clearance away from the chimney pipe itself
- Carry or have a partner pass you up the insulated chimney piece, and drop it down into position so it sits securely on top of your stove pipe
- Retrieve the Metal Flashing and slide it down the chimney pipe and rotate as necessary until it comes into parallel with the surface of your Dome's outer cover
- Check from inside if the stove pipe has ended up off-angle at all, and make any adjustments to your exit hole or stove position as necessary



*Example shown includes 3rd party chrome chimney support (unnecessary in most cases)*



## 5. Gluing the Vinyl Collar

- The HH-66 vinyl cement included can be used to make permanent alterations to Dome covers that won't come apart or leak as long as they're glued properly
- It is recommended that vinyl cement be applied to both surfaces intended to be joined and allowed to sit for 1 minute prior to pressing them together
- Slide the vinyl collar overtop your insulated chimney after familiarizing yourself with which regions should and should not be painted with glue as per the written indications, with the solid colour half facing out and the drain section facing the ground
- Usually it's easiest to focus on one quadrant of the collar/cover at a time to ensure a perfect wrinkle-free application
- If it's below 15°C/60°F, don't remove your glue from indoors until just before using it. If cold or chilly temperatures are unavoidable, use a hair dryer or heat gun to warm the glue during the application and drying processes, where it can ensure easier spreadability during application and improve bonding once surfaces have been joined together.
- Start at the top, doing one quarter of the vinyl collar at a time, and remembering not to glue the drain at the base of the collar (which allows water to escape)
- With a paintbrush, apply a thin coat of glue to both surfaces in the appropriate areas, wait about a minute, and firmly press and slightly rub them together while ensuring no creases







## 6. Secure the Storm Collar & Complete Your Chimney

- Wrap the storm collar around the chimney pipe just above the upper extent of the metal flashing and secure it tightly to the insulated chimney with 1 or 2 metal screws
- Now, with a caulking gun, add a thin bead of Lexel sealant all the way around the upper edge of the storm collar to complete the waterproofing process
- Add the next length of insulated chimney pipe with its storm cap to complete your upper chimney, making sure that each piece is twisted and locked into place appropriately

## 7. Interior Finishing

- From the interior, trim the various layers of your Dome to the edge of the Metal Flashing, and double checking to ensure minimum 2" of clearance between any fabric and the chimney pipe
- Slide your oval collar up from where it's been waiting at the neck of your wood stove and onto the insulated chimney
- Press it right up against the layers of your dome and angle it such that it comes into parallel with them
- Hang your Interior Collar securely in place by screwing in a single short metal screw at the highest point of contact between the collar and the chimney piece





# Additional Chimney Flashing Kit Parts

Product Guide: <https://icc-rsf.com/chimney/where-to-buy-icc/>

## -Chimney Parts

-24' length - Excel 2100 - **ICC Part #BI6EL24**

-6" Excel Chimney, 36" length - **ICC Part #BI6EL36**

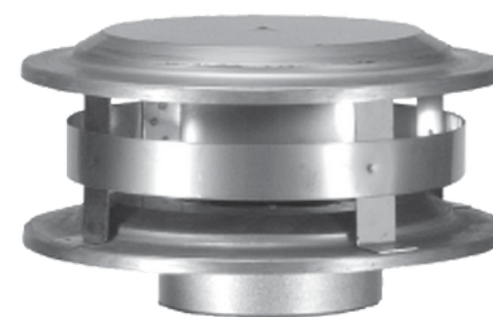


Chimney Lengths

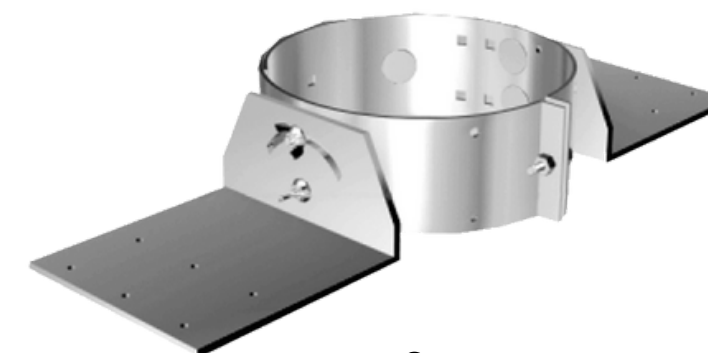
## -Roof / Cap

-6" Chimney Cap - Excel 2100 Rain Cap - **ICC Part# BI6ERC**

-Roof Support - **ICC PART #BISR**



6" Rain Cap



Roof Support

## -SmokePipe Parts

-6' Flue extension - Excel 2100 - **ICC Part #BI6EX**

-6" double wall - 40/68" adjustable length - **ICC Part #BE6UBAF**

-6" double wall - 36" length - **ICC Part #BE6UB3F**

-6" double wall - stove (top) collar adaptor - **ICC Part #BE6UBSE**



6" Stove Collar Adaptor



6" Double Wall adjustable length



6" Flue Extension BI6EX



## Optional Chimney Support:

- A dedicated chimney support makes it easier to swap out one heat source for another if you think that may ever become necessary
- Persons in areas with heavy winds may also want to consider a third party chimney support, as strong/frequent gusts can stress your chimney flashing system over time and potentially result in leaks
- If this sounds like you, we recommend calling up your local wood stove supplier or searching online for universal or pitched roof chimney support kits. [This is one example here](#), available from Rona
- This kind of chimney support can be attached to your Dome frame with pipe straps the size of your struts, available at any hardware store, and bolts or metal screws. Some pre-drilling may be required for ease of installation





## Optional Chimney Support cont'd:



- Occasionally, space constraints or aesthetic desires will dictate that your chimney pipe is best situated in the middle of one of the frame triangles rather than right up against one of their angle vertices
- In this case, it's just as easy to attach a pair of 2x4s to the frame struts directly, again using heavy-duty pipe straps, and then screwing the chimney support into these beams just as one would do with joists on the roof of any regular house
- Again, be sure to maintain 2" of clearance between the chimney and any combustible materials





# Congratulations!

Your metal chimney flashing is ready for action :)

