

INSTALLING YOUR SILICONE CHIMNEY FLASHING KIT

for propane or pellet stoves



You Will Need:

-Silicone Chimney Flashing Kit (orange flashing, vinyl collar, vinyl cement)
-Scissors/knife -Ladder (maybe two) -Cheap paintbrush -Tube of high temperature RTV silicone, available at any hardware store -Caulking gun

please note, the following process is equally valid for silicone pipe flashing kits!



Positioning Your Stove

- Start by positioning your stove roughly within its desired location. If the vent pipe will be going straight up, it'll go through one of the triangles in the 3rd layer
- If you live in areas with high winds, you can secure the vent pipe to the struts with metal strapping later on. In this case, it may be a good idea to position the stove such that the pipe will be close to the corner of a triangle and easily supported against the struts
- The pipe can also go out the side of the Dome, where the general principle remains the same
- Stack enough vent pipe to figure out where it will penetrate through the Dome cover and start cutting an X, then a star shape until you are able to push a piece of pipe through it





Trimming and Applying the Silicone Flashing

- With scissors, you'll want to trim down the rim of your silicone flashing such that it will fit snugly over your chimney pipe
- Stack any remaining pieces of stove/chimney pipe now in order for one to protrude out through the various layers of your Dome (but not too high, or this can make things difficult in a moment once you're out on the ladder)
- Add or subtract any chimney pieces as necessary before sliding your silicone flashing down and into place right up against the cover of your Dome
- Rotate as necessary such that it ends up oriented with one corner of the flashing pointing up and one down





Gluing the Vinyl Collar:

- Slide the vinyl collar down your chimney pipe after familiarizing yourself with which regions should and should not be painted with glue as per the indications on the collar itself, with the solid colour half facing out and the drain section facing the ground
- 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
- 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 bonding processes, where it can ensure easier spreadability during application and improve bonding once the two surfaces have been joined together
- 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
- Be sure not to apply any glue to the DRAIN section at the bottom corner
- Apply a thin coat of vinyl cement to both surfaces to be glued with a sacrificial paintbrush and/or the small one included under the cap. Wait only about a minute and firmly press both sides together, making sure there are no creases. Rub and apply pressure to create a good bond, ideally with a partner on the inside of the Dome providing opposing pressure. Use your heat gun or hair dryer to warm the glue as it sets if it's cold out. The glue will be quite strong within minutes and at full strength after 24 hours

Sealing and Finishing

- Add any final lengths of chimney pipe as necessary, and make sure all pieces are twisted and locked securely into place
- Attach your storm cap on top
- Finally, take your high-temp RTV silicone and caulking gun and run a solid bead along the junction between your silicone flashing and the chimney pipe to complete your waterproofing
- If your vent pipe has a 90° 'through the wall' termination, the same principle applies for the silicone flashing and vinyl collar
- Modify this process as necessary if you're installing a pipe flashing rather than a chimney flashing



Nice work - you're another step closer to optimal comfort and relaxation inside your Phoenix Dome!