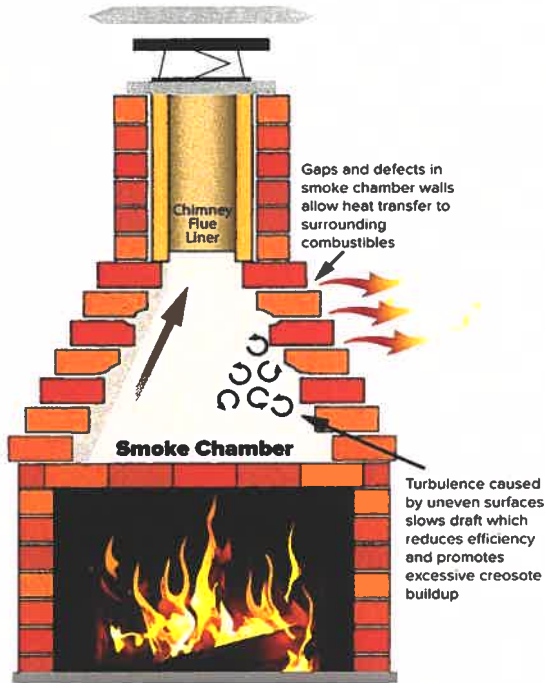


# Facts on SMOKE CHAMBERS In Masonry Chimneys

**1** The smoke chamber funnels smoke and heat from your firebox to your flue lining. The smoke chamber can reach temperatures of 2000 degrees during a high heat event (chimney fire).



**2** The smoke chamber is required to be sealed smooth with refractory mortar to protect exterior combustibles from igniting.



**3** Wood can be found inside smoke chambers, which can lead to house fires.



**4** Heat can transfer through masonry and actually ignite combustibles on the other side of a row of brick without actually touching it.



**BEFORE**



**AFTER**



Fire Investigators estimate that **40% of house fires** that start from the chimney, start in the smoke chamber.

**National Fire Protection Association (NFPA)**

**211 Standard For Chimneys, Fireplaces, Vents, and Solid Fuel Burning Appliances 2010 Edition**

11.2.1.13 The inner surfaces of the smoke chamber shall be parge coated smooth, with an insulating refractory mortar...