

clinker buid up

Posted by jtpfarm - 17 Dec 2012 04:31

I have a 100k btu furnace in my house and a 100k btu boiler in my shop both burning the same corn. The one in my house gives me nice white ash with small hard clinkers and never anything stuck to the side of the pot. The one in my shop tho gives me some small clinkers and white ash but most of my ash is the black popcorn balls. Also i am always getting clinkers stuck on the side of the burn pot which i think may have something to do with the kind of ash im getting. My draft is at .04 and my combustion door about 1/3 or a little more open. The boiler has just been cleaned though the big top cover. What is causing my clinker build up and black ash?

=====

Re: clinker buid up

Posted by STINEY - 18 Jan 2013 18:08

You and I seem to have the same issue.....I cannot get adequate combustion temps due to the same buildup around the sides of the firepot.

It doesn't make the fire go out, just limits the output. My door temps are barely 250* if I leave it to run on its own. If I remove that buildup every 3-4 hours I can get 350* at the door.

Does your buildup look like this?

=====

Re: clinker buid up

Posted by Nogas - 18 Jan 2013 20:35

Could be similar, but corn will melt into a rock hard white clinker where the air can't get through for combustion. when you increase your air intake, will it burn a little lower in the pot? The clinker you seem to be getting is a carbon buildup from incomplete combustion. A little corn will alleviate most of this problem!

=====