

# TOOLBOX

Don't burn money: take good care of your asphalt dryer burner



## Did you know?

- Asphalt dryer burners emit more CO<sub>2</sub> than any other piece of equipment and you can save 5–20% of the energy yours uses by keeping it in optimum condition.
- Too much air supplied to a burner is as wasteful as too little air.
- Holes in your dryer and ductwork reduce the efficiency of your burner and increase operating costs.
- Measuring oxygen and carbon monoxide (CO) levels in the stack helps keep your burner running in optimum condition and tells you if your maintenance contractor has done a good job for you.
- All asphalt burners should have an air/gas ratio control, either a mechanical link or, better still, independent control of gas and air.

## Take action to save energy...

# 1

**Keep a daily record of the oxygen and CO content of your dryer flue gas emissions. Use this along with fuel consumption to determine the optimum time between burner services.**

# 3

**Check the dryer and ductwork weekly for holes and missing or damaged insulation; repair and replace where necessary.**

# 2

**Get your burner serviced if ...**

- CO levels are over 250 ppm – this means fuel is not being burned fully.
- Oxygen levels are above 16% – this means fuel is being wasted by heating too much cold air.
- Flue gas temperature is above 130°C – this means not enough heat is being transferred to the aggregate in the dryer and you should investigate the condition of the lifters.



**Take action and you can save 10% of the total energy used on the site, which can equal £50,000 per year!**



**Add your actions to your site's energy saving plan and start counting the savings.**