

TOOLBOX

Keep plant well-insulated to prevent heat escaping



Did you know?

- Up to 20% of the energy used to heat bitumen, aggregates and asphalt is wasted through heat loss – heat loss wastes energy and money.
- If you insulate an asphalt dryer properly, it can pay for itself in one year.
- Uninsulated flanges and valves on a bitumen tank could cost you as much as £1,400 per year.
- An uninsulated flange on pipe work loses as much heat as 0.3 m of bare pipe; an uninsulated valve loses as much heat as 1.2 m of pipe.

Take action to save energy...

1

Locate sources of heat loss on your site.

- Find the main users of heat on your site.
- Determine where heat losses occur from hot surfaces and whether those surfaces are insulated.
- Check the dryer drum for efficient insulation.

2

Control and insulate where possible.

- Check all existing insulation is fitted properly and not damaged.
- Replace missing or damaged insulation.
- Insulate any pipes or surfaces above 50°C.
- Ensure hot flanges and valves are insulated.
- Check insulation thickness against recommendations and increase or replace it if necessary.

3

Maintain effective insulation.

- Keep a record of all insulated areas and perform regular checks for effectiveness and efficiency.
- Check that outside of all insulation and cladding is no more than warm to the touch.
- Repair and replace as necessary.



Take action and you can save up to 10% of your site's heat load.



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