



## Reduction of Solar Heat Gain & CUI - NSW Power Plant



Mascoat's Industrial DTI coating is specially formulated to reduce solar heat gain in industrial, commercial and residential applications. Its complex ceramic based structure inhibits direct transfer by blocking a direct path between the substrate surface and the originating source.

In New South Wales, a large scale power plant struggled to maintain a steady temperature of the gas that ran through extensive pipe work within the plant. Situated directly in the elements, it was subject to constant solar heat gain and corrosion issues. As a result the company was seeking an effective solution that could provide insulation and eliminate CUI (Corrosion under insulation).



Mascoat personnel were drafted to provide a suitable insulation solution that would outlast conventional material that had been used in the past. Mascoat's Industrial Insulation coating was recommended and applied to the pipe work at a thickness of 1.5mm. Its direct adherence to the pipe work provided a barrier to the external environment and therefore reduced the solar heat gain. Similarly, its direct bonding to the substrate prevents a moisture barrier to the pipe work preventing any corrosion from forming.

The coating outperformed conventional methods and the application allowed the gas temperature to remain at a steady temperature providing the client with an effective solution which satisfied their specific requirements.



For more information or a quote contact Redjak on 07 3219 2550  
or visit [www.redjak.com.au](http://www.redjak.com.au) or [www.mascoataustralia.com](http://www.mascoataustralia.com)

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*The information above is a Mascoat® example of how Mascoat Industrial Coatings can be applied. RedJak make no claims to having performed this particular job.*