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Mascoat
INDUSTRIAL - DTI

Bitumen Tanks - DTI

The energy retention capabilities of Mascoat Industrial Insulation (DTI) make it a popular choice for insulation among the oil and gas companies internationally. Inspectabilty of the tank surface is often a factor that is not provided with most conventional insulation. The thin coating of Mascoat DTI allows full inspectabilty and the ability for personnel to also walk on coated surfaces safely.

Bitumen tanks as shown in the pictures herein operate at high temperatures in excess of 170 degrees Celsius. The tanks are not safe for personnel and have little energy retention making them expensive to heat.

For this particular application the tank surface was recorded at 170 degrees Celsius. Mascoat DTI was applied in 7 layers (0.5mm each) to provide an overall thickness of 3.5mm to the shown bitumen tank roof surface. While only being a thin coating compared to conventional insulation this thickness gave the ability to reduce the tank roof external temperature within personnel protection requirements, allow personnel to walk on the roof surface, and provide full inspectabilty of valves and various other required inspection points. The decrease in external temperature also correlated to the increase in energy retention and reduced overall costs associated with heating the internal contents. In addition, the coating provides an effective long-term thermal barrier against corrosion. Whilst other conventional insulation materials are prone to moisture absorption, loss of performance over time, and degradation, Mascoat DTI effectively outlasts and outperforms conventional insulation and seals the surface to prevent moisture ingress and corrosion under insulation (CUI).

For more information or a quote contact Redjak on 07 3219 2550
or visit www.redjak.com.au or 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.