



IMATECH

EFFLUENT DOSING PIT – FOOD INDUSTRY



SUMMARY

Industry: Food and Beverage

Product: Chesterton® ARC S1HB

Plant: Waste Pit

Location: Hobart, TAS, Australia

Summary: Removal and replacement of delaminating bitumen and impregnated latex membrane.



PROBLEM DESCRIPTION

Hydro blasting used to remove the coating from all surfaces, followed by a wash with Chesterton® 360 Phosphate free cleaner to saponify and remove fatty waste.



SOLUTION

Steel surfaces cleaned and profiled by abrasive blasting.



Dust extraction system shown to control environmental hazards.



SOLUTION



Damaged mortar joints and concrete repaired with quartz reinforced composite to achieve an acceptable surface for top coating.



After preheating the Chesterton® ARC S1HB composite, the temperature was monitored and maintained at a level ideal for application.



SOLUTION

Inline heaters were used to keep the products viscosity at optimum levels for spray application.



Fixed ratio, plural component spraying equipment was utilised to reduce application time and ensure the coating thickness is uniform.



RESULTS



All surfaces are coated with 2000-2500µm Chesterton® ARC S1HB, to provide a smooth, chemical resistant surface which is easily cleaned and maintained.





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