



**FERTILISER
SCRUBBER
FANS**

SUMMARY

Industry: Fertiliser

Product: Chesterton® ARC SD4i

Plant: Granulating Plant

Location: Western Australia

Summary: Wet fertiliser sticks to the fans, causing them to become imbalanced. This results in the equipment constantly needing to be shut down and the fans requiring cleaning by abrasive blasting.

ROI: Fans now require very little cleaning using low pressure water only; dramatically reducing downtime and maintenance costs



PROBLEM DESCRIPTION

- Build up of fertiliser causing fans to vibrate and become imbalanced.
- This required a shutdown every two weeks for the fans to be sandblasted to remove the build up. Approximately one tonne of garnet was used in this process.



SOLUTION

- The fans were lined with Chesterton® ARC SD4i ceramic composite coating, providing a high gloss finish with superior abrasion resistance.
- The fans now remain unaffected for a period of approximately 4 months and can be cleaned using low pressure water only.
- Based on the success of ARC SD4i the customer decided to trial various other, competitor lining systems.
- The customer found that none, apart from Imatech's coating, managed to last very long due to the abrasive nature of the fertiliser.



RESULTS



The plant now specifies that all scrubber fans are lined with Imatech composites.



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