

Ventilation Duct – Vibrational Noise Reduction

Company Name: Wastewater facility NSW

Project: Ventilation duct application

Coating used: Mascoat Sound Control - dB

Thickness: 1.5 mm

Reason for application: Reduce vibrational noise

Mascoat Sound Control – dB is a multipurpose spray on sound control coating that has been utilized within industrial applications, for the reduction of vibrational and excessive noise issues within onshore and offshore projects to areas such as in pumps, ducting engines and more. It tackles the problem of noise by trapping vibrational sound before its airborne release making it more effective than conventional sound insulators.



To confirm to strict sound regulations, a NSW Waste Water facility employed

Mascoat personnel to provide the most cost effective solution to reduce excessive noise produced by their industrial ventilation ducts, which ran externally throughout the facility.

On recommendation, Mascoat's sound dampening coating was applied to the external surface of these ducts at approximately 1.5 mm (3 coats) to effectively reduce excessive vibrational noise caused by air being forced through the ventilation ducts.

After the coating was applied, there was a measurable reduction in the vibrational noise of around 8-10 decibels. This considerable reduction allowed for adherence within site regulations and added to the overall reduction needed to meet site and surrounding area regulations. The success of this application has since lead to approval within further similar projects and applications within a similar type plant to various size pipe work sections to reduce hammer and excessive vibrational noise.