

FACT SHEET: Abrasive Blasting - Hazard Control Solutions for Site Managers

AT A GLANCE:

Abrasive blasting is commonly used for:

- Bridge and infrastructure maintenance
- Steel fabrication and coating preparation
- Tank and vessel refurbishment
- Shipyards and marine maintenance
- Industrial plant shutdowns
- Concrete and structural surface preparation



What is Abrasive Blasting?

Abrasive blasting is a surface preparation process that involves propelling abrasive material at high speed onto a surface to remove rust, coatings, scale, contaminants or to prepare the surface for painting and protective coatings.

Abrasive Blasting Key Hazards

Respirable Dust

Depending on the material being blasted and the abrasive media used, resulting dust may contain:

- Respirable Crystalline Silica
- Heavy metals from coatings or substrates
- Lead or other paint residues
- Fine particulate matter

Respirable particles are small enough to reach deep into the lungs and can cause Occupational Lung Diseases such as silicosis, COPD and even lung cancer.

Noise

Abrasive blasting equipment and compressed air systems can produce noise levels exceeding 100 dB(A). Without adequate protection, prolonged exposure can result in:

- Permanent hearing loss
- Tinnitus
- Communication difficulties on site

Compliant, Effective RVT Hazard Control Solutions

DUSTEX® Clearblast 6000



- Self-contained dust filter unit; operates via ductwork.
- Extracts from dust source.
- 10,200 m³/hr airflow.
- Pulse jet auto filter clean out.

SOUNDEX® Enclosures



- Robust, fire-resistant, and waterproof noise control.
- Independently tested and certified.

[Book Free Consult](#)