

KEY BENEFITS

Wind velocity reduction
Up to 75% wind speed reduction
Reduction of particle saltation

SERVICES

CFD Modeling
Fence Design & Placement
Turnkey Installation
Maintenance Services



DUST SUPPRESSION & CONTROL SPECIALISTS

Introducing DustTamer Wind Fence Systems

DustTamer™ reduces dust emissions caused from wind erosion on open stockpiles. Our wind fence material is designed to exert a drag force on oncoming wind and reduce wind speeds up to 75% within the sheltered area. Our systems prevent dust that is generated by oncoming winds, material loading and unloading, and equipment and vehicle movement from becoming airborne.



A wind fence works by creating pressure zones depending on its design. A solid wall creates high and low pressure areas due to wind deflection, potentially increasing turbulence and particle uptake. In contrast, a porous material allows wind to pass through, reducing velocity by equalizing pressure differentials around the barrier. Airtight Solutions has the capability of handling all aspects of your wind fence project from design to structural engineering, material supply and complete installation.



Applications

- 📍 Agriculture
- 📍 Mining
- 📍 Construction

- 📍 Transportation
- 📍 Energy
- 📍 Industrial Facilities

- 📍 Recycling Plants
- 📍 Environmental Protection
- 📍 Sports & Recreation

