

TRUCK AND RAIL DUMP

GYPSUM PILE

# DUST SOLUTIONS, INC.

WWW.NODUST.COM | SALES@NODUST.COM

*We stand by our commitment to total customer satisfaction of our products and service!*

## DustTamer™ APPLICATIONS

*DustTamer™ can be used in a variety of applications and have been installed at:*

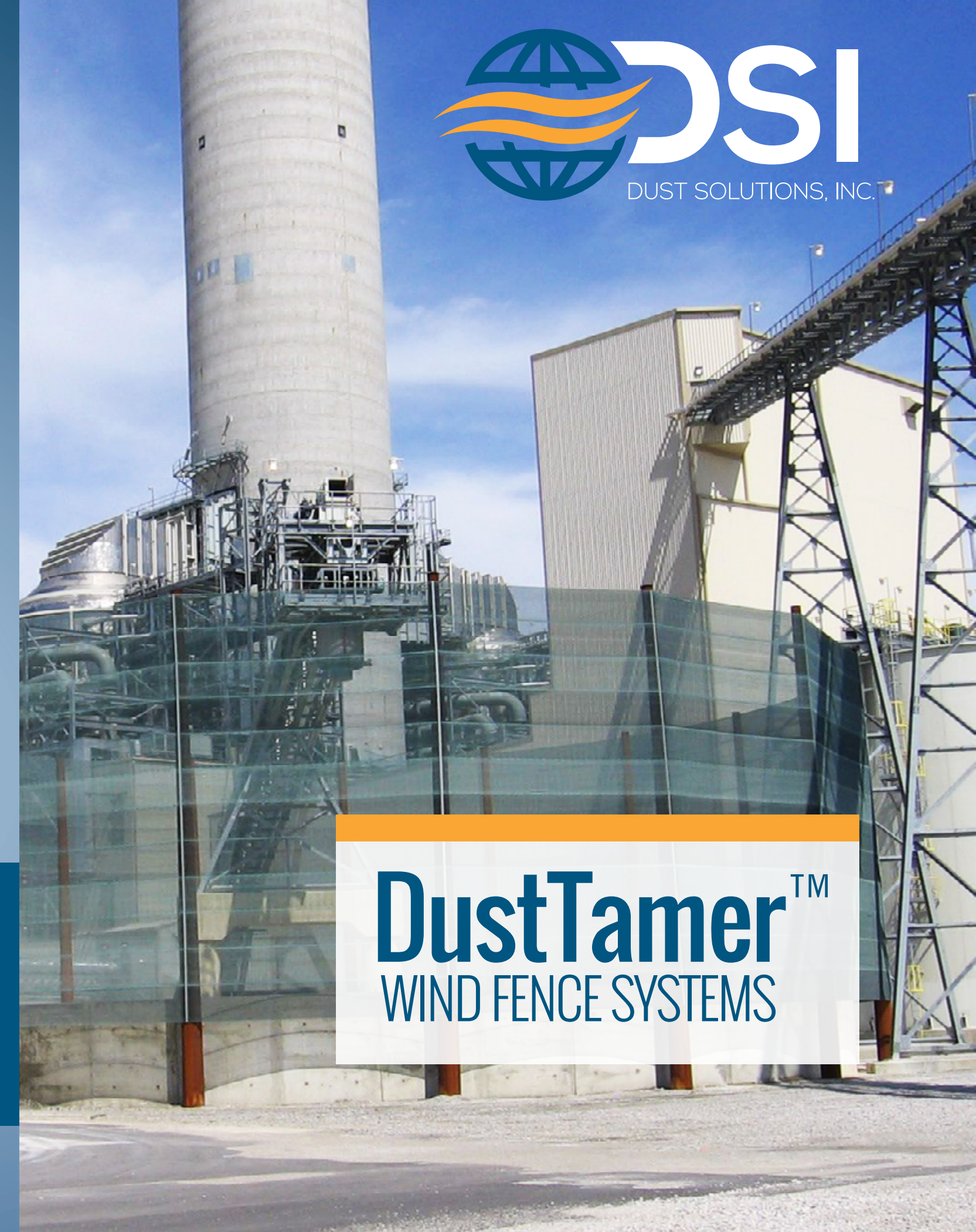
- COAL PILES
- SOLAR PLANTS
- GYPSUM PILES
- BIOMASS PILES
- PETROLEUM COKE PILES
- TRUCK DUMPS
- TAILINGS/ASH PONDS
- TRANSFORMER STATIONS
- SLAG PILES
- SCRAP STEEL PILES
- LANDFILLS
- AGGREGATE PILES
- COPPER ORE PILES
- HOPPERS/RAILCAR UNLOADERS



COAL PILE



HOPPER LOADING



## DustTamer™ WIND FENCE SYSTEMS

### CORPORATE HEADQUARTERS

130 BAY PINES ROAD  
BEAUFORT, SC 29906  
USA

TEL: 1 843-846-3700  
FAX: 1 843-846-3701

### WEST COAST SALES OFFICE

13023 NE HWY 99 STE. 7-402  
VANCOUVER, WA 98686  
USA

TEL: 1 360-546-0072  
FAX: 1 360-546-0073

### LATIN AMERICA SALES OFFICE

CASILLA POSTAL 185, VILLA ALEMANA  
5° REGION, VALAPARAISO 2520405  
CHILE

TEL: 56 32-253-1799

*For more information, visit our website or contact your local representative.*



## STURDY CONSTRUCTION

Material knitted from industrial grade woven A.C.E. Polyester Fiber. Self-supporting fabric, no cables required.

## UNYIELDING TO EXPOSURE

Resistant to UV rays, inclement weather, and temperature extremes. Able to withstand wind speeds in excess of 100 mph.

## RESILIENT

Designed to be tensioned to 500 lbs of pull to prevent fabric damage from "flagging," unlike weak shade cloth.

## MAXIMUM COVERAGE FOR COST

Each standard windfence section is able to span up to 20 feet, using much less material than a rigid wire mesh, wooden slats, or other more solid wall options.

## FLEXIBLE OPTIONS

**POROSITIES:** 30% and 50% | **WIDTHS:** 90 cm/35.5 inch and 150 cm/59 inch | **COLORS:** Forest Green and Desert Tan



# INSTALLATION

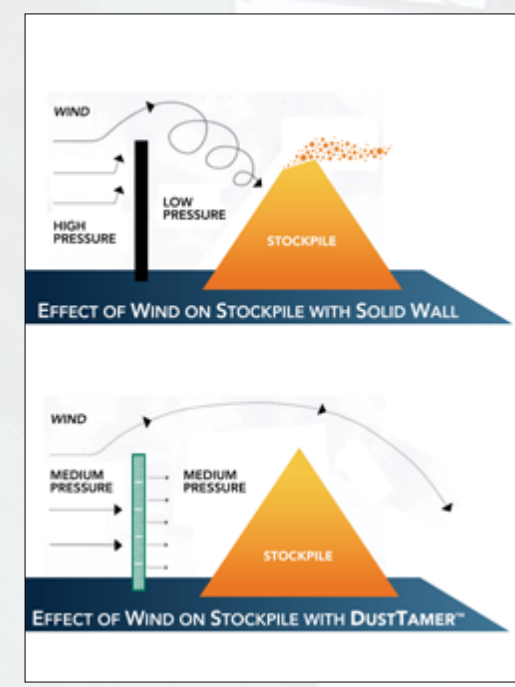
DSI engineers can evaluate your existing site conditions and determine the proper location, structure type and dimensions, and material porosity to achieve the desired protection zone. Depending on the level of service required, DSI can provide wind fence and column support design engineering services to turnkey solutions. We supply DustTamer™ fabric, lockbars, standoff brackets, and all necessary attachment hardware.



# HOW DOES IT WORK?

DustTamer™ fabric is specially designed to exert a drag force on oncoming wind velocity and reduce wind speeds up to 75% within the sheltered area. By controlling wind speeds, it is possible to control levels of particulate matter in the air.

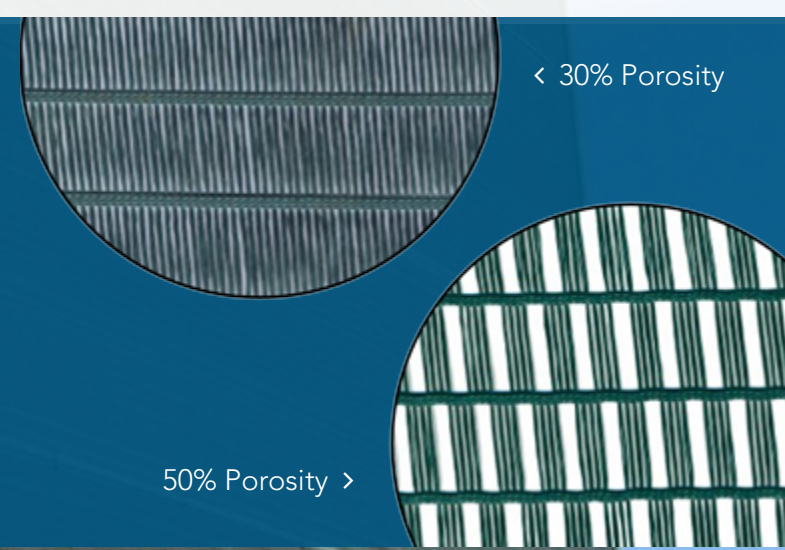
This is achieved by DustTamer's unique porosity which allows air to pass through and equalize the differential pressure inside the wind-sheltered area. When the wind velocity is lowered below the particulate uptake point, over the stored material's threshold, the particulate is unable to be taken airborne. This method differs from solid structures which have the potential to worsen the problem. Although a solid wall can help to enclose the area, it creates a lower pressure zone at the dust source, which increases wind velocities and airborne particulate.



Used as a stand-alone system or in conjunction with fogging, DustTamer provides protection to material stockpiles, truck, rail or loader dump pockets, conveyor transfer points, stacker conveyors and load out silos.

## WIND FENCE FABRIC

DSI fabric uses a slotted design versus the more common basket weave style design. The fabric is self-cleaning as the vertical filaments will move with slots 27mm long. This prevents build-up of material and dust on the wind fence, which could change the porosity and effectiveness of the wind reduction.



# CHALLENGE

*Do you have a wind generated fugitive dust problem?*

This problem can grow into many more: particulate matter that escapes from material handling operations is a hazard, the percentage of product lost is money wasted, and heavy fines can be imposed when levels of airborne particulate matter exceed allowable limits.

Fugitive dust in industrial applications is generally created in two ways. The first is through the movement of material through a process such as a conveyor or hopper. The second is through erosion, where material in storage or a stockpile is lifted or blown from the source.

# SOLUTION

DustTamer™ Wind Fence Systems succeed where other longstanding methods fall short. By efficiently reducing wind speeds below the particle uptake point, DustTamer™ Wind Fences solve the fugitive dust problem by keeping particulate grounded in the first place. Through the use of innovative and sustainable DustTamer™ technology, worker safety is enhanced, product losses are cut, and environmental regulatory standards are met for the benefit of your business and the environment.