

DUSTBLOCKER[®]

Fugitive Dust Windscreen System

DUSTBLOCKER[®] Fugitive Dust Windscreens

Wind generated fugitive dust from barge/ship unloading systems, truck dumps, rail unloading facilities, haul-roads, and storage piles, represents both an air emissions compliance risk and product loss. Benetech's DUSTBLOCKER[®] Windscreen Systems are designed to reduce wind velocity and particle movement to minimizing fugitive dust emissions. The fabric, support poles, and hardware system is based on Benetech's proven 20+ years of experience in controlling dust emissions. The DUSTBLOCKER[®] fabric and hardware have been chosen based on their durability in extreme weather conditions.



System Function

The DUSTBLOCKER[®] system dramatically reduces the wind velocity allowing a portion of the wind volume to penetrate through the screen and deflects the remainder of the wind around the sheltered area. Reducing the dust velocity also causes dust particles to settle out within the enclosed area. The polyester based DUSTBLOCKER[®] fabric has excellent resistance to ultra-violet rays, sagging, wrinkles, mildew, rot, insects, acids, alkalis, and salts.

DUSTBLOCKER[®] windscreen systems are available in a variety of sizes and configurations. Please contact Benetech for additional information.

Windscreen Fabric Properties (Typical)

Property	Test Method	Units		Typical Value
Construction	ASTM D3775	Threads/inch		58 x 48
Yarn Size & Type	ASTM D1907	Denier	Warp	565 monofil PP
			Fill	565 monofil PP
Weave	Visual	N/A		$\frac{3}{4}$ Basket
Weight	ASTM D5261	Oz/sq. yd.		8.3
Grab Tensile	ASTM D4632	lb.	Warp	465
			Fill	400
Tear Strength (Trapezoid)	ASTM D4533	lb.	Warp	185
			Fill	165
Burst	ASTM D3786	psi		760
Thickness	ASTM D5199	Mils		21.0

