

AIR TO MEDIA GUIDE

Dust Type	Explosit	le Abrasive	controller	onment Fire	AIC Ratio	Dust Type	Explosiv	abrasive C	ontrolled	nment Fire	AIC Ratio
Abrasive Blasting • Black Beauty • All others Activated carbon Alfalfa Alumina Ambient air filtration Arc washing (Gouging) Asbestos Baking powder Barley (see Grain) Bauxite Beet pulp Bentonite Beryllium Boric acid Bran Brazing Buffing & polishing Calcium carbonate Carbon black • Fused • Sintered Cardboard Cement Ceramic Chaff, grain Chromium Clay (& Brick & Marble) Coal Cocoa Coffee Coke Composites Corn sugar Cutting • Laser Metal Non-metal • Oxyacetylene • Plasma			J J J		1.4 1.8 2.5 3.0 2.5 3.5 * 3.3 2.5 2.0 - 2.0 2.0 1.8 3.5 2.2 3.5* 1.8 1.8 1.5 1.8 1.8 1.5 1.8 1.8 1.5 1.8 1.8 1.5 1.8 1.5 1.8 1.5 1.8 1.5 1.8 1.5 1.8 1.5 1.5 1.8 1.5 1.5 1.8 1.5 1.5 1.8 1.5 1.5 1.8 1.5 1.5 1.8 1.5 1.5 1.8 1.5 1.5 1.8 1.5 1.5 1.8 1.5 1.5 1.8 1.5 1.8 1.5 1.8 1.5 1.8 1.5 1.8 1.5 1.8 1.8 1.5 1.8 1.8 1.5 1.8 1.8 1.5 1.8 1.8 1.5 1.8 1.8 1.5 1.8 1.8 1.5 1.8 1.8 1.5 1.8 1.8 1.5 1.8 1.8 1.5 1.8 1.8 1.5 1.8 1.8 1.1 1.7 3.5 2.0 2.0 1.8 1.8 1.5 1.8 1.8 1.5 1.8 1.8 1.1 1.1 1.7 3.5 2.0 1.8 1.8 1.8 1.5 1.8 1.8 1.8 1.7 3.5 2.0 1.8 1.8 1.8 1.8 1.7 3.5 2.0 1.8 1.8 1.8 1.8 1.7 3.5 2.0 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1	Detergents Diatomaceous earth Dyes Fertilizer Fiberboard Fiberglass Flour Fly ash Frit Furnaces Grain • Corn • Rice Granite Graphite Grinding • Aluminum • Bake shoe • Cast iron • Composites • Cast iron • Composites • Rubber • Steel • Titanium Gypsum Iron oxide (Rust) Kaolin Lead oxide Lead powder Leather Lime Lime, hydrated Limestone Lignite Malt Meal Metal, powdered Metallizing • Electric arc spray • Plasma arc spray • Powder flame spray			J		2.2 2.5 1.3 2.2* 3.0 3.5 2.0 1.8 1.8 * 3.5 2.0 1.8 3.5 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 3.5 3.8 2.0 1.0 2.5 1.8 3.5 3.8 2.0 1.1 1.5 3.5 2.5 1.8 2.5 1.8 2.5 1.8 2.5 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.
						 Wire flame spray 				\checkmark	1.2

* Check with Facility





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Dust Type	Explos	Abrasii	Controlled	nment Fire	AIC Ratic	Dust Type	Explosi	Abrasive	ontrolled	nment Fire	AIC Ratio
Abrasive Blasting • Black Beauty • All others Activated carbon		\ \ \			1.4 1.8 2.5	Detergents Diatomaceous earth Dyes	ل ا		1	√ √	2.2 2.5 1.3
Alfalfa Alumina Ambient air filtration Arc washing (Gouging)	1			√	2.5 3.0 2.5 3.5 *	Fertilizer Fiberboard Fiberglass Flour	\ \ \ \		√ √	√ √ √	2.2* 3.0 3.5 2.0
Asbestos Baking powder Barley (see Grain) Bauxite		↓ √	V	V	3.3 2.5 2.0	Fly ash Frit Furnaces		√ √			1.8 1.8 *
Beet pulp Bentonite Beryllium Boric acid Bran	√ √	√ √	V		- 2.0 2.0 1.8 3.5	Grain • Corn • Rice Granite Graphite	$\sqrt{1}$	√ √		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	3.5 3.5 2.0 2.0
Brazing Buffing & polishing Calcium carbonate Carbon black	1				2.2 3.5* 1.8	Grinding Aluminum Bake shoe Cast iron Composites 	V	V		\checkmark	2.0 3.5 1.8 3.5
• Fused • Sintered Cardboard Cement	1	J,		$\sqrt{1}$	1.1 1.9 3.5 1.8	Rubber Steel Titanium Gypsum		√ √		\checkmark	3.8 2.0 1.0 2.5
Ceramic Chaff, grain Chromium Clay (& Brick & Marble)	1		V	V	1.8 3.5 1.5 1.8	Iron oxide (Rust) Kaolin					1.8 1.5
Coal Cocoa Coffee Coke Composites Corn meal		√ √	√ ,	~~~~	1.8 1.8 1.7 3.5 3.0	Lead oxide Lead powder Leather Lime Lime, hydrated	V			\checkmark	1.1 1.5 3.5 2.5 1.8
Corn starch Corn sugar Cutting • Laser	V		\checkmark	\checkmark	2.5 2.0	Limestone Lignite Malt	√ √		V	√ √	2.5 2.0 3.0
Metal Non-metal • Oxyacetylene • Plasma				\checkmark	1.1 1.1 1.4-1.7 1.1	Meal Metal, powdered Metallizing •Electric arc spray • Plasma arc spray	√ √		V		3.0 2.5 .04 1.2
						Powder flame sprayWire flame spray					1.2 1.2

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