

STAUROLITE

Staurolite is a general-purpose mined mineral abrasive used to remove thin coatings, rust, and mill scale. Its sub-angular shape is ideal for applications where a minimal surface profile is required. Staurolite is excellent for achieving a near white finish and is commonly used for new steel applications; including storage tank & tower construction, structural & plate steel blasting, and steel fabrication.



INCREASED PRODUCTION

Staurolite's higher bulk density and high hardness results in more energy being transferred to the work surface than most mineral or slag abrasives; easily removing thin coatings, rust, and mill scale. Staurolite's uniform particle size provides consistent coverage and surface finish, increasing production rates.

LOW DUSTING

Staurolite's durability and low friability produce lower dust levels than most mineral or slag abrasives. Low dust levels improve the operator's visibility of the work surface, increasing production rates. Lower dust levels also reduce cleanup costs on the work site.

RECYCLABILITY

The low friability of Staurolite allows it to be recycled 3 to 5 times. Unlike most mineral or slag abrasives, Staurolite will not completely shatter when it hits a surface, keeping its relative size. Recycling Staurolite increases profitability by reducing abrasive consumption, and shipping, cleanup, and disposal costs.

PHYSICAL CHARACTERISTICS

Shape: Sub-Angular

Hardness: 7.0 Mohs

Bulk Density: 125-135 lbs./cu. ft.

Specific Gravity: 3.6-3.85 g/cc

Free Silica:

Biasill™ - Less than 5%, typically less than 2%

Starblast™ - Less than 5%, typically less than 2%

Starblast™ XL - Less than 1%

Starblast™ Ultra - Less than 5%, typically less than 2%

Coarse Staurolite - Less than 5%, typically less than 2%

Mined Mineral Abrasive

BLASTING CONDITIONS

Recommended nozzle pressure: 100–125 psi

Recommended working distance from surface: 18–36 inches

PACKAGING OPTIONS

Bulk Truck

Bulk Bags: 4,000 lbs.

Bags: 50 lbs.

AVAILABLE SIZES

Biasill™ - Typical Profile 1.0–1.5 mils

Starblast™ - Typical Profile 1.5–1.9 mils

Starblast™ XL - Typical Profile 1.5–1.9 mils

Starblast™ Ultra - Typical Profile 2.0–2.3 mils

Coarse Staurolite - Typical Profile 2.3+ mils

CERTIFICATIONS

California Air Resources Board Certified QPL

Approved Form MIL-A22262A-SH

(Starblast™ XL only)

STAUROLITE

Staurolite Screen Analysis					
US Sieve Number	Percent (%) by Weight				
	Biasill™	Starblast™	Starblast™ XL	Starblast™ Ultra	Coarse Staurolite
23				<1%	<1%
30				1%	5%
40	<1%	3%	3%	10%	29%
50	5%	13%	13%	23%	44%
70	30%	25%	25%	20%	17%
100	41%	36%	36%	31%	
140	19%	18%	18%	13%	
200	3%	3%	3%	<2%	
270	1%	<1%	<1%		
PAN	Trace	<1%	<1%		6%

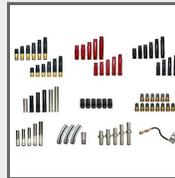
OPTIONAL ACCESSORIES

Blast Hose



Blastmaster® Abrasive Blasting Hose is available in standard lengths of 50, 100 and 400 feet, and custom lengths up to 200 feet.

Blast Nozzles



A wide variety of blast nozzles are available to meet even the most challenging work site requirements.

Blastmaster® Abrasive Metering Valves



Marco's wide selection of Blastmaster® Abrasive Metering Valves give you variable and instant abrasive control for great results on every work site.

Couplings And Blast Nozzle Holders



Marco offers several types of couplings and blast nozzle holders to meet the needs of a wide variety of applications.

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