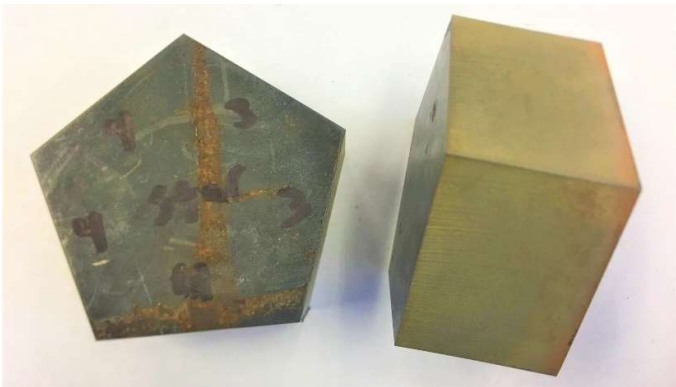


# TEXAN STONE ABRASIVE PERFORMANCE

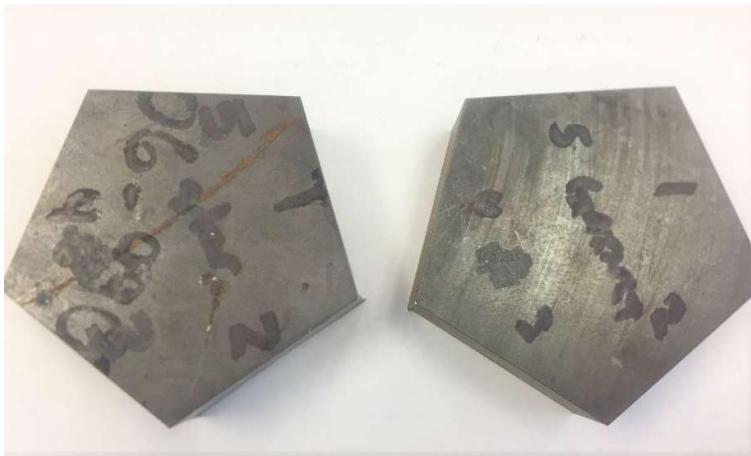
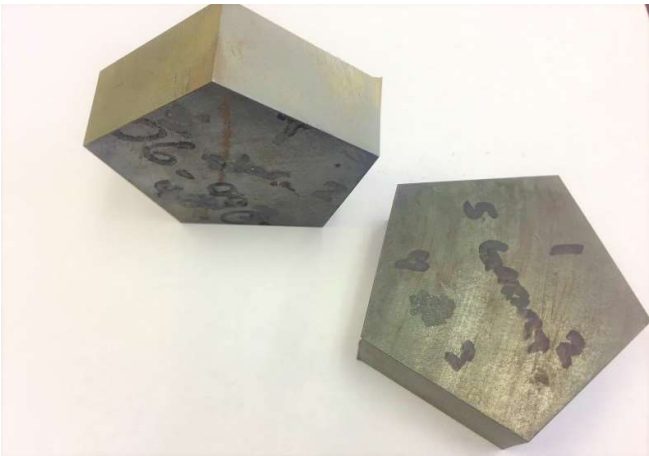
## STAR-O-RIGHT & GARNET



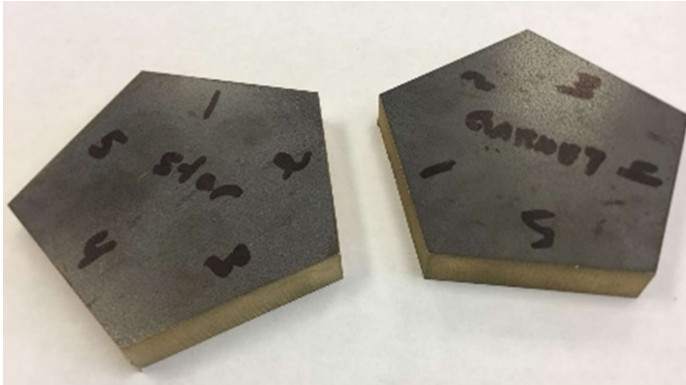
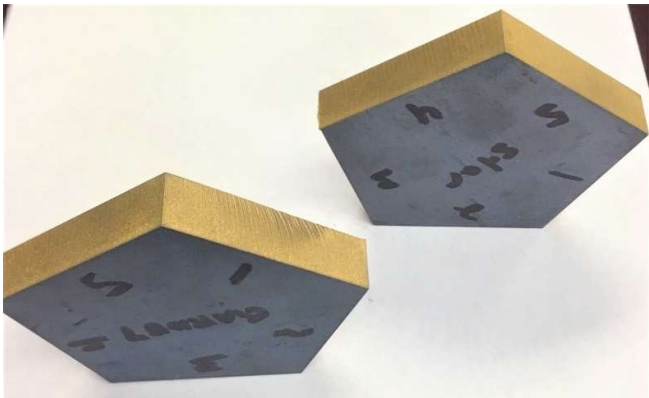
"TEXAN STONE" waterjet cutting with STAR-O-RIGHT



1.5 inch carbon steel



1 inch carbon steel



1/2 inch Bronze

**Texan Stone STAR-O-RIGHT & GARNET has excellent waterjet cutting performance with thickness Steel.**

# STAR-O-RIGHT (Staurolite) waterjet testing

Omax 55k .014 jewel/.030 mixing tube

feed rate Staurolite is 0.9lbs per min.

feed rate garnet is 0.8lbs per min.

1/2" Bronze		
SIDE	STAR-O-RIGHT	GARNET
1	13.2	13.89
2	11.32	11.91
3	7.1	7.47
4	5.1	5.37
5	3.95	4.15

1" carbon steel		
SIDE	STAR-O-RIGHT	GARNET
1	3.76	3.96
2	3.23	3.39
3	2.02	2.13
4	1.45	1.53
5	1.13	1.18

1.5" carbon steel		
SIDE	STAR-O-RIGHT	GARNET
1	1.04	1.09

We used STAR-O-RIGHT to cut several actual jobs with complete success, 10 gauge stainless, 1/4" carbon steel and 2 other jobs from gauge carbon steel, there was no difference between STAR-O-RIGHT and garnet on these cuts.

We were also successful in cutting 7/8 stone countertop.

## **STAR-O-RIGHT (Staurolite) giving 2.4 mil impression, 200 lbs covering 75 sq ft**

We performed an abrasive blast test on June 9, 2017 at Kinder, LA plant site. The application was a newly constructed product tank (new steel weathered). The product tested was STAR-O-RIGHT(Staurolite). Equipment employed was a Clemco 300 Lb. blast pot, a Doosan 375 CFM Air Compressor, Boride #5 blast nozzle with a 50' blast hose (1-1/4"), 1" blast whip, and Bullard 88 blast hood with a Bullard purifier.

The blast pot was loaded with 200 lbs. of STAR-O-RIGHT (Staurolite). Air pressure at the nozzle was 90-95 PSI. The blaster cleaned the steel substrate until the pot ran completely empty. The surface cleanliness was inspected by a NACE level 2 inspector and determined to be a near white blast SSPC-SP10.



### **STAR-O-RIGHT (Staurolite) Blast**

Sieve Size	70-120
Air Pressure At The Nozzle	90-95 PSI
Nozzle Size	Boride #5
Product Used	200 Lbs.
Surface Area Cleaned	81 Square Feet
Consumption Rate	2.47 Lbs. Per Square Foot
Finish	SSPC-SP10 Near White Finish
Surface Profile	2.5 Mils

STAR-O-RIGHT (Staurolite) is mineral abrasive that contains less than 1% free crystalline silica. This abrasive is dark brown / reddish brown in color with a bulk density of 130 lbs. per cubic foot. The particles are sub-angular, and the hardness is 7 to 7.5 on the mohs hardness scale. This product is commonly used in the industrial painting market, and can be purchased in bulk pneumatic tankers, 4400 lb. bulk bags, and 55 lb. paper sacks.

**STAR-O-RIGHT (Staurolite) Application Chart**

Grade	Profile	Typical Applications
70-120 Mesh	1.0-2.5 Mil Profile	Commonly used on aluminum and stainless steel applications, also employed on new steel fabrication, light coating removal, general maintenance abrasive cleaning, mill scale removal, heavy equipment restoration, powder coating surface preparation, blast rooms, and blast cabinets.

STAR-O-RIGHT (Staurolite) is a general purpose abrasive typically used when light to moderate coating removal is needed. The fine grain size and hardness will achieve a uniformed profile at great cleaning speeds, while remaining low in dusting during production. The sub angular grains allow for a cleaner more refined finish with less embedment, usually resulting in a near white to white blast finish. This product can be recycled and is used frequently in blast rooms, and blast cabinets.

**STAR-O-RIGHT offers VERY LOW CHLORIDE CONTENT OF 5 PPM AND ITS FREE OF BERYLLIUM.**