



CeraBlast™ SB Series

Heavy Duty Ceramic Media

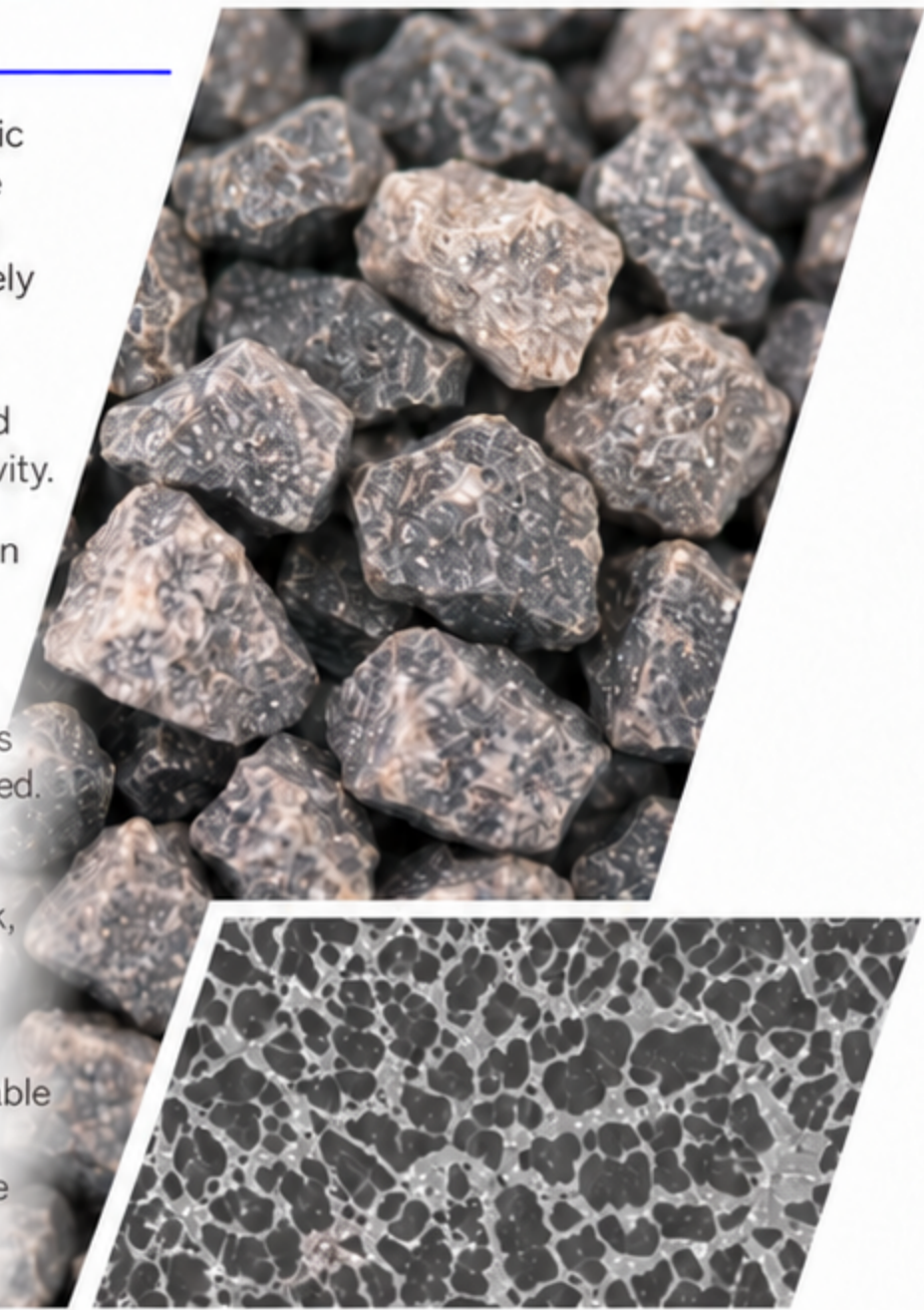
Product Description and Technical Data:

CeraBlast™ SB Series is a premium alumina-zirconia ceramic blasting media engineered for pressure blasting and surface preparation of hard surfaces. The media is produced by the fusion of high purity zircon sand and alumina at approximately 1950°C, forming a fine primary corundum structure with an alumina-zirconia eutectic crystalline phase. This unique microstructure delivers exceptional hardness, toughness and wear resistance, resulting in long media life and high productivity.

CeraBlast™ SB Series provides consistent surface preparation with low dust generation and minimal particle embedment. The spherical grain shape and high density enable efficient cleaning and a uniform, controlled surface finish. It also offers a low ferrous contamination risk, making it ideal for applications where a clean, high quality finish on very hard surfaces is required.

CeraBlast™ SB1 is optimized for durable blasting of very hard stone and mineral surfaces such as granite and memorial work, where maximum media life and consistent performance are essential.

CeraBlast™ SB2 is a broader heavy-duty blasting grade, suitable for demanding industrial cleaning and precision surface preparation applications. It offers the same high performance alumina-zirconia construction with a wide size range to meet diverse blasting requirements across industrial markets.



CeraBlast™ Physical & Abrasive Properties:

Media Form	Premium ceramic blasting media
Structure	Alumina-zirconia eutectic crystalline structure
Grain Form	Strong, untreated blasting grains
Crystal Size	17 microns
Hardness	21 GPa (Vickers, 50 g load)
True Density	4.30 g/cc
Melting Point	1950°C
Typical Chemistry	Al ₂ O ₃ 75.0%, ZrO ₂ 23.0%, TiO ₂ 0.10%, SiO ₂ 0.30%, Fe ₂ O ₃ 0.30%, Na ₂ O 0.08%, CaO 0.10%, MgO 0.03%, S 0.01%
Size Range Summary	SB1: 36 – 60 SB2: 20 – 240

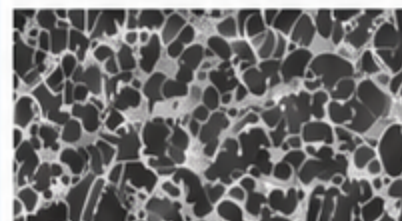


CeraBlast™ SB Series

Technical Specifications & Application Guide

CeraBlast™ SB1 and SB2 Comparison Guide

Property	CeraBlast SB1	CeraBlast SB2
Media Type	Premium alumina-zirconia ceramic blasting media	Premium alumina-zirconia ceramic blasting media
Grain Form	Strong, untreated blasting grains	Strong, untreated blasting grains
Operating Profile	Standard to high pressure blasting	High pressure blasting / broader industrial duty
Available Grit Range	36 – 60	20 – 240
Best-Use Focus	Granite, memorial stone, hard mineral surfaces, applications requiring long media life and consistent finish.	Demanding industrial cleaning, precision surface preparation, turbine blade preparation for ceramic coatings, bridges, ship hulls, and hard-surface pressure blasting.
Recommended Applications	Pressure blasting of very hard stone and mineral surfaces where maximum media life and consistent performance are essential.	Industrial cleaning, precision surface preparation, turbine blade preparation for ceramic coatings, bridges, ship hulls, and hard-surface pressure blasting.



CeraBlast SB2 Typical Particle Size Distribution

Size	Oversize	Coarse Grit	1st Nominal	2nd Nominal	Pan	Back-up CG Sieve
30	+18/0	+25/(0-25)	+30/45+	(+30+35)/65+	-40/(0-3)	16
36	+20/0	+30/(0-25)	+35/45+	(+35+40)/65+	-45/(0-3)	18
46	+25/0	+40/(0-30)	+45/30+	(+45+50)/55+	-70/(0-5)	20
54	+30/0	+45/(0-35)	+50/25+	(+50+60)/60+	-80/(0-5)	25
60	+35/0	+50/(0-35)	+60/35+	(+60+70)/60+	-100/(0-5)	30
70	+40/0	+60/(0-25)	+70/35+	(+70+80)/65+	-120/(0-5)	35
80	+45/0	+70/(0-35)	+80/30+	(+80+100)/60+	-140/(0-5)	40
90	+50/0	+80/(0-25)	+100/35+	(+100+120)/60+	-170/(0-5)	45
100	+60/0	+100/(0-25)	+120/30+	(+120+140)/55+	-230/(0-5)	50
120	+70/0	+120/(0-25)	+140/20+	(+140+170)/50+	-270/(0-5)	60
150	+80/0	+140/(0-25)	(+170+200)/30+	(+170+200+230)/60+	-325/(0-5)	70
180	+80/0	+170/(0-20)	(+200+230)/30+	(+200+230+270)/60+	Record	70
220	+100/0	+200/(0-15)	(+230+270)/30+	(+230+270+325)/50+	Record	80
240	+120/0	+200/(0-10)	(+230+270)/5+	(+230+270+325)/30+	Record	100

* 100 grams sieved five minutes on U.S. Standard Sieves on Rotap. No automatic batch exceptions.

SB Series Application Notes

- Exceptional wear resistance and long media life.
- Low dust generation and reduced particle embedment.
- Delivers a clean, uniform and controlled surface finish.
- Suitable for hard-surface pressure blasting of stone, mineral and industrial substrates.
- Provides consistent blasting performance and improved finishing time.