

CLEMCUT™+

Brown Fused Aluminum Oxide Blast Media

PREMIUM ABRASIVE | MAXIMUM PERFORMANCE | SUPERIOR DURABILITY

HARDNESS

9

Mohs Scale

GRAVITY

3.92

g/cc

PURITY

95.62%

Al₂O₃

PRODUCT OVERVIEW

ClemCut™+ is a premium grade brown fused aluminum oxide engineered for abrasive blasting and surface preparation applications. Manufactured from high-quality bauxite in an electric arc furnace, this sharp, angular media delivers aggressive cutting action with exceptional durability. Rated at 9 on the Mohs hardness scale, ClemCut™+ maintains its cutting edges through multiple blasting cycles, making it one of the most cost-effective and recyclable blast media options available. Ideal for removing rust, mill scale, coatings, and corrosion — and for establishing consistent anchor profiles for coating adhesion.



TECHNICAL SPECIFICATIONS

- Premium Durability**
High hardness ensures extended life and minimal breakdown
- Fast Cutting Action**
Angular particles remove rust, scale, paint & coatings quickly
- Consistent Profile**
Produces predictable anchor patterns for coating adhesion
- Reusable Abrasive**
Recycled multiple times for reduced blasting costs
- Versatile Systems**
Compatible with pressure & suction, dry or wet environments

Material:	Brown Fused Alumina (Al ₂ O ₃)
True Specific Gravity:	3.92 g/cc
Melting Point:	3,668F / 2,020C
Hardness (Knoop-100):	2,100 kgf/mm ² / 9 Mohs
Toughness:	50 (ANSI-B74.8.1987)
Color / Fired Color:	Brown / Blue
Crystal Structure:	Alpha-alumina, hexagonal
Spec / Standard:	MIL-A-22262 / FEPA 44-1:2006

TYPICAL CHEMICAL ANALYSIS

● Al ₂ O ₃ 95.62%	● TiO ₂ 2.84%	● SiO ₂ 0.78%	● Fe ₂ O ₃ 0.2%
● MgO 0.33%	● CaO 0.11%	● Na ₂ O 0.07%	● K ₂ O 0.05%

AVAILABLE GRADES & PACKAGING

GRIT	DENSITY (G/CC)	ITEM NUMBER	TYPICAL APPLICATION
#14	1.88 - 1.98	14ALOX50CC	Heavy scale removal, aggressive profiling
#16	1.86 - 1.96	16ALOX50CC	Heavy rust & mill scale removal
#24	1.86 - 1.96	24ALOX50CC	Structural steel preparation
#36	1.86 - 1.96	36ALOX50CC	General surface preparation
#46	1.80 - 1.90	46ALOX50CC	Coating preparation, weld cleaning
#54	1.78 - 1.88	54ALOX50CC	Moderate profiling, paint prep
#60	1.75 - 1.85	60ALOX50CC	Surface finishing, coating prep
#80	1.68 - 1.78	80ALOX50CC	Light profiling, fine finishing
#100	1.64 - 1.74	100ALOX50CC	Precision cleaning, light etching
#120	1.62 - 1.72	120ALOX50CC	Polishing, delicate surface work
#150	1.61 - 1.71	150ALOX50CC	Fine finishing, mold cleaning
#180	1.58 - 1.68	180ALOX50CC	Precision components, turbine blades
#220	1.56 - 1.66	220ALOX50CC	Ultra-fine finishing, frosted effects

Packaging: Standard 50 lb bags | 2,000 lb super sacks (select grades) | Other sizes available upon request. Contact Clemtex for bulk packaging options.

COMMON APPLICATIONS

- Bonded abrasives (grinding wheels, cutoff wheels, points)
- Blasting abrasives & surface preparation
- Coated abrasives (paper & cloths)
- Refractory applications

