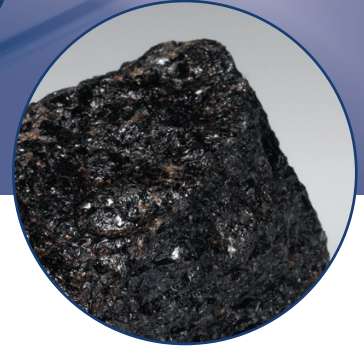
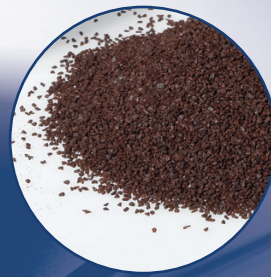
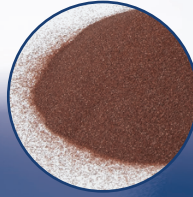


DURALUM® REDKOTE



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DESCRIPTION

DURALUM® REDKOTE is a tough, cast fused aluminum oxide abrasive for use in resin bonded wheels when greater bond strength is required. A red iron oxide coating is ceramically bonded to the grain, using only lead free frits. An electronically controlled high temperature heat treatment assures a complete, void-free ceramic coating on the grain's surface. The fired ceramic surface bonds more intimately with phenolic resins. This better bond gives longer wheel life and improves grinding performance.

APPLICATIONS

DURALUM® REDKOTE produces significantly improved grinding ratios in a wide range of resin bonded applications, including cut-off wheels, steel-conditioning wheels, cold pressed wheels, depressed center wheels and track-grinding wheels.

TYPICAL CHEMICAL ANALYSIS

Al ₂ O ₃ (by difference)	94.68%
TiO ₂	2.66%
SiO ₂	0.90%
Fe ₂ O ₃	1.26%
Other Oxides	0.50%

GRAIN SIZES AVAILABLE

10, 12, 14, 16, 20, 24, 30, 36, 46, 54, 60, 70, 80, 90, 100, 120, 150, and 180

Specialty sizes available upon request

TYPICAL PHYSICAL PROPERTIES

Crystallography	Alpha alumina, in the hexagonal crystal system
Color	Red
Specific Gravity	3.94
Knoop ₁₀₀ Hardness	2090
Shape	Blocky, with sharp edges
Bulk Density	ANSI B74.4-1992 (R2007)
Grading	modified ANSI

TYPICAL BULK DENSITY

Grit	g/cc	Grit	g/cc	Grit	g/cc
10	2.08 – 2.18	30	1.80 – 1.95	80	1.70 – 1.87
12	2.04 – 2.14	36	1.75 – 1.92	90	1.70 – 1.87
14	2.01 – 2.11	46	1.74 - 1.90	100	1.69 – 1.82
16	1.98 – 2.08	54	1.75 – 1.90	120	1.65 – 1.78
20	1.94 – 2.08	60	1.73 – 1.88	150	1.65 – 1.78
24	1.86 – 2.00	70	1.73 – 1.88	180	1.65 – 1.78

This product information is NOT a specification. It is offered in good faith only as a general description of the product. **Washington Mills makes no warranty of merchantability or of fitness for any particular purpose.** The product chemistry and other characteristics may vary or contain trace elements not specifically listed. If your intended application for this product is so critical that relatively minor variations in chemistry or physical properties could cause problems or damage to your process or product, please contact our office for further assistance.