

ELECTRO-CORUNDUM (aluminium oxide) FOR SURFACE TREATMENT

Aluminum Oxide (Electro corundum) is a sharp, angular, long-lasting abrasive sandblast cutting medium that can be re-used many times for grit blasting. It is the most widely used abrasive in sand blast finishing and surface preparation of all kind of materials because of its cost, longevity and hardness. As an abrasive blasting medium, it is harder than most common dry abrasive blast media and will cut even the hardest metals, surfaces and sintered carbides. It does not produce much dust and is not toxic or dangerous to health in any form. The quality of corundum depends on the share of Al_2O_3 .

Electro corundum is an universal sandblasting medium and is used in injector type and pressure type blasting systems.

It is suitable for use in closed areas and easy to recycle. Finer grain sizes (example: 80, 100, 120) are often used for glass mating. To get a finer, softer glass surface structure we use smaller grains (120) and the work times are not longer than with the use of larger grains. For very fine patterns, even smaller grain sizes are used (180, 200), mainly for precise pictures or engraving in glass.

That particular abrasive blasting medium comes in a wide range of sizes or as a mix.

♦ **REGULAR CORUNDUM** is used mainly for sandblasting/cleaning of metal parts, for metal surface preparation prior to coating, welding, metallization, rubberizing,... and for mating of glass products. The share of Al_2O_3 in regular corundum is 95%.

	Grain size in microns:	Grain size in mm:
Electro corundum 8	2000 - 2800	2,00 - 2,80
Electro corundum 10	1700 - 2360	1,70 - 2,36
Electro corundum 12	1400 - 2000	1,40 - 2,00
Electro corundum 14	1180 - 1700	1,18 - 1,70
Electro corundum 16	1000 - 1400	1,00 - 1,40
Electro corundum 20	850 - 1180	0,85 - 1,18
Electro corundum 24	600 - 850	0,60 - 0,85
Electro corundum 30	500 - 710	0,50 - 0,71
Electro corundum 36	425 - 600	0,42 - 0,60
Electro corundum 40	355 - 500	0,35 - 0,50
Electro corundum 46	300 - 425	0,30 - 0,42
Electro corundum 54	250 - 355	0,25 - 0,35
Electro corundum 60	212 - 300	0,21 - 0,30
Electro corundum 70	180 - 250	0,18 - 0,25
Electro corundum 80	150 - 212	0,15 - 0,21
Electro corundum 90	125 - 180	0,12 - 0,18
Electro corundum 100	106 - 150	0,11 - 0,15
Electro corundum 120	90 - 125	0,09 - 0,12
Electro corundum 150	63 - 106	0,06 - 0,11
Electro corundum 180	53 - 90	0,05 - 0,09
Electro corundum 220	45 - 75	0,04 - 0,07



♦ **CORUNDUM MIX** contains mineral particles in the shape of corundum and metallic particles in the shape of ferrosilicium. Because of these two components, the mix as a sandblasting medium is very abrasive and long-lasting. Main areas of use are the cleaning of metal surfaces, metal castings, metal constructions, concrete and similar. It is especially useful for removing steel scale or for cleaning of dirty or oxidized surfaces prior to painting, metalizing, rubberizing or any other coating process. The share of Al_2O_3 in corundum mix is 39%.



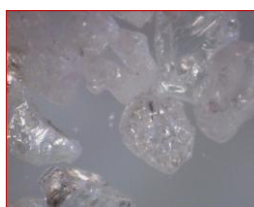
	Grain size in mm:
Electro corundum MIX 2-3	2 - 3
Electro corundum MIX 1-2	1 - 2
Electro corundum MIX 0,5-2	0,5 - 2
Electro corundum MIX 0,5-1	0,5 - 1
Electro corundum MIX 0,25-0,50	0,25 - 0,50
Electro corundum MIX 0,12-0,25	0,12 - 0,25



♦ **HIGH-GRADE WHITE CORUNDUM (noble corundum)** is white electrically fused aluminium oxide, which is made by melting of bauxite in electric furnaces. It is used mainly for sandblasting of stainless steels, treatment of plastic and wooden parts and where high quality, clean and hard abrasive materials are required. The share of Al_2O_3 in high-grade white corundum is 99,78% and it contains no metal parts.



	Grain size in microns:	Grain size in mm:
Electro corundum 12	1400 - 2000	1,40 - 2,00
Electro corundum 14	1180 - 1700	1,18 - 1,70
Electro corundum 16	1000 - 1400	1,00 - 1,40
Electro corundum 20	850 - 1180	0,85 - 1,18
Electro corundum 24	600 - 850	0,60 - 0,85
Electro corundum 30	500 - 710	0,50 - 0,71
Electro corundum 36	425 - 600	0,42 - 0,60
Electro corundum 40	355 - 500	0,35 - 0,50
Electro corundum 46	300 - 425	0,30 - 0,42
Electro corundum 54	250 - 355	0,25 - 0,35
Electro corundum 60	212 - 300	0,21 - 0,30
Electro corundum 70	180 - 250	0,18 - 0,25
Electro corundum 80	150 - 212	0,15 - 0,21
Electro corundum 90	125 - 180	0,12 - 0,18
Electro corundum 100	106 - 150	0,11 - 0,15
Electro corundum 120	90 - 125	0,09 - 0,12
Electro corundum 150	63 - 106	0,06 - 0,11
Electro corundum 180	53 - 90	0,05 - 0,09



Example of rust removal with electro-corundum

Electro-corundum is supplied in 50-kilogram paper bags, 1 ton on pallet, protected with foil.