

Properties:

Colour	brown	Crystal structure	α - Al ₂ O ₃ ; trigonal
Melting point	1950°C	Absolute density	3,96 g/cm ³
Hardness	21 kN/mm ²	Compact fracture force	63 N

ALODUR® OSO	
Grain shape	angular
Toughness	low

ALODUR® OSO is a regular brown fused aluminium oxide, produced by melting high quality bauxite in Higgins type furnaces. In comparison to ESK the material is not temperature treated and has a slightly higher iron content.

Chemical analysis in wt. %: *)

	Al ₂ O ₃	TiO ₂	SiO ₂	Total iron as Fe ₂ O ₃	CaO+Mgo
Typ.	94,60	2,70	0,90	1,30	0,50

*) XRF Analysis

Applications:

Brown Regular type **ALODUR® OSO** is suitable for resin-bonded grinding and cut off wheels. The usage in vitrified grinding wheels is not recommended.

Particular applications for OSO are:

- cut off wheels
- depressed centred wheels
- deburring
- grinding of cast iron material

Grits available :

ALODUR® OSO is produced in grits 12 to 220, sized in accordance with the current FEPA / ISO and ANSI sieve standards.

Bulk density (g/cm³):

Grit	OSO	Grit	OSO
12	1,76 - 1,88	54	1,63 - 1,75
14	1,76 - 1,88	60	1,62 - 1,74
16	1,76 - 1,88	70	1,62 - 1,74
20	1,76 - 1,88	80	1,61 - 1,73
22	1,74 - 1,86	90	1,56 - 1,68
24	1,74 - 1,86	100	1,53 - 1,65
30	1,72 - 1,84	120	1,51 - 1,63
36	1,69 - 1,81	150	1,51 - 1,63
40	1,68 - 1,80	180	1,51 - 1,63
46	1,65 - 1,77	220	1,50 - 1,62

Determined using the current FEPA test method.