

Property Profile Al₂O₃/TiO₂ 97/3 - Coating

- Protection against abrasion, adhesion and oxidation
- Chemical resistance (base and acids)
- Ductility due to TiO₂-content

Product Number:

IKH 2001

Grain Size Distribution

Grain Size	Distribution
20	-90 +45 μm
16	-45 +22 μm
14	-45 +5 μm
09	-30 +10 μm
07	-25 +5 μm

* other grainsizes on request



Typical Chemical Composition

Al ₂ O ₃	base
SiO ₂	< 0,5 %
TiO ₂	~3,0%
Fe ₂ O ₃	< 0,2 %
MgO	< 0,1 %
CaO	< 0,1 %



Coating Properties

Hardness: approx. 1100 HV 0,3

Applicable up to 1.100 °C

Good Grinding and Polishing Properties

Spray Parameters

Plasmagenerator	F4
Plasma Gas Ar (SLPM)	40
Plasma Gas H ₂ (SLPM)	14
Current (A)	550
Spray Distance (mm)	120

