

Property Profile ZrO₂/CaO 95/5 - Coating

- Thermal barrier
- Thermal shock resistance
- Abradability

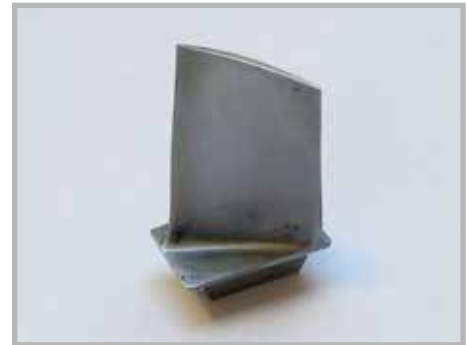
Product Number:

IKH 11201

Grain Size Distribution

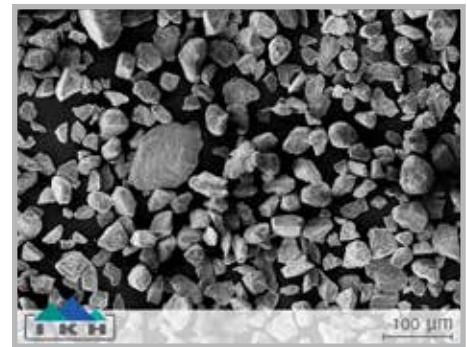
Grain Size	Distribution
37	-125 +45 μm
36	-106 +45 μm
20	-90 +45 μm
19	-63 +16 μm
16	-45 +22 μm
07	-25 +5 μm

*other grainsizes on request



Typical Chemical Composition

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



Coating Properties

Hardness: approx. 600 HV 0,3

Applicable up to 2.500 °C

Melting Point: approx. 2.675 °C

Spray Parameters

Plasmagenerator	F4
Plasma Gas Ar (SLPM)	42
Plasma Gas H ₂ (SLPM)	9
Current (A)	600
Spray Distance (mm)	120

