Spherical Sintered Ceramic Sand For Investment Casting

New Stucco Material for Primary Layer

WING CERABEADS ®

New artificial stucco material.
A good alternative to *Zircon*!!

WING CERABEADS

Try It Now ! Contact Us ASAP !!

- Spherical
- Bulk Density is 55% to Zircon Sand.
- Good Adhesion to Slurry.
- Lowest Expansion Available
- High Heat Resistance（SK37 1825C / 3317F）
- Great Drying Property

Total Cost Reduction !
Improve Productivity !

Manufacturer:

ITOCHU Ceratech Corp
HP: http://www.itc-cera.co.jp/English/index.html
Tel: 81-561-21-3715 (JAPAN)

E-mail Contact: cerabeads@itc-cera.com

Stucco for Primary Layer 〈Basic data〉

For Investment Casting

WING CERABEADS

Alumina Content：61.5±1.5%
Mineral Composition：Mullite

Typical Value

Chemical Composition（%）

Al_2O_3	SiO_2
60.5	36.4

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Specific Gravity and Porosity

Water Absorption (%)	Apparent Specific Gravity	Bulk Specific Gravity	Apparent Porosity (%)
4.0	2.91	2.61	10.4

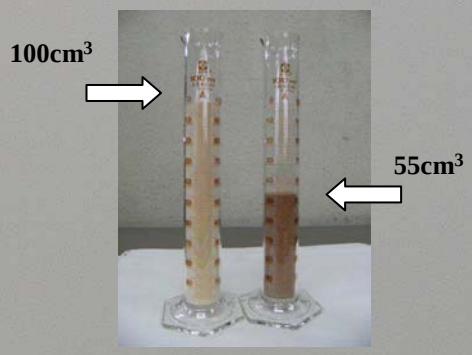
Particle Size Distribution（#90）

mesh	+36	36/50	50/70	70/100	100/140	140/200	−200	AFS GFN
μm	+425	425/300	300/212	212/150	150/106	106/75	−75	
%	0.0	0.0	7.1	40.1	37.7	12.3	2.8	91

Comparison of Bulk Density （Comparison to Zircon）

Material Name	Particle Size	Bulk Density (g/cm^3 / lb/ft^3)
WING CERABEADS	212 / 75 μm	1.61 / 101
ZIRCON SAND	212 / 75 μm	2.97 / 185

Bulk Ratio in Same Weight



WING CERABEADS　ZIRCON SAND

The Bulk Density of WING CERABEADS is about 55% to Zircon sand.

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