

Artificial Filler Material for Investment Casting

Filler Material for Primary Layer

CASFILL 85

CASFILL 85®

Al₂O₃ Content is 85%
Particle Size is less than 45 μm



CASFILL 85

Alumina & Mullite Flour

Heat Resistance is higher
than Zircon Flour

> More than SK38 (3360 F)

Bulk Density is 66% to Zircon Flour

Poured at High Temperature !

Reducing Production Cost !

Replacing Zircon Flour !

Artificial Refractory Ceramic Powder
for Primary Layer
Great Replacement for Zircon Flour

Artificial Filler Material for Primary Layer < Typical Data >

CASFILL 85

Alumina / Mullite Flour

Chemical Composition

Al ₂ O ₃	SiO ₂
85.19	13.88

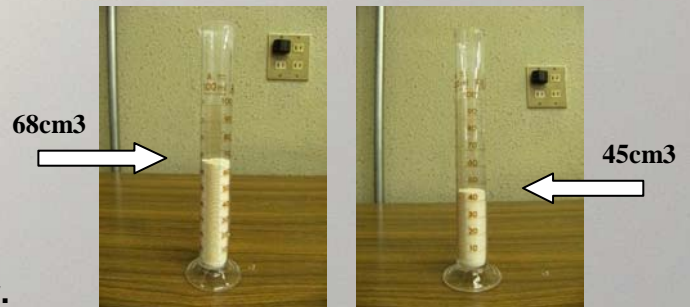
Particle Size Distribution (325Fmesh)

μm	+45	45/30	30/20	20/10	10/5	5/1	-1
%	1.2	9.2	20.6	40.1	37.7	12.3	2.8

Bulk Density (Compared with zircon)

Product	Particle Size	Bulk Density (g/cm ³)
CASFILL 85	- 45 μm	1.47
Zircon flour	- 45 μm	2.23

Volume for the same weight



CASFILL 85

Zircon Flour

Bulk Density of CASFILL 85 is **66%** to zircon flour.

Method : Container Vibrated for 3 minutes

Casting Quality achieved by combination of CASFILL 85 & WING CERABEADS

CASFILL 85 and WING CERABEADS (our primary stucco material) were tested at a government funded project in Japan being used as primary layers for nozzle ring castings with 600mm of diameter and 0.8mm of thickness (minimum), and were proven to achieve great casting quality.

CASFILL 85



WING CERABEADS



Material : Mullite

The combination of CASFILL 85 & WING CERABEADS can save you production cost and achieve accurate dimensions of castings under higher pouring temperature compared with zircon sand!

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