

ALTITE  $\text{Al}_2\text{TiO}_5$   
Aluminium Titanate for  
Foundry Applications



Product Info

- Excellent thermal shock resistance
- Very low thermal expansion
- Good chemical resistance

TRADITION  
PROGRESS  
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**Rauschert**

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### Benefits and properties

- Excellent thermal shock resistance
- Very low thermal expansion
- Good chemical resistance
- No or little wetting by non-ferrous melts

### Field of application

- Riser tubes
- Dosing tubes
- Break rings
- Sprue bushes



v-card

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### Rauschert at a glance

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# ALTITE $\text{Al}_2\text{TiO}_5$

## Aluminium Titanate for Foundry Applications

ALTITE is a ceramic material suited for non-ferrous metal foundries. Some examples of usual applications are riser tubes, dosing tubes, break rings, stalk tubes, fill tubes, stoppers for flow control of molten masses, insulating rings and sprue bushes.

As an oxide ceramic ALTITE presents a unique combination of thermal properties and resistances against corrosion and molten metal non wetting properties: excellent thermal shock resistance, very low thermal expansion, good chemical resistance and no or little wetting by non-ferrous melts.

Physical property		Value
Density	g/cm <sup>3</sup>	3.20
Thermal exp. coefficient	10 <sup>-6</sup> K <sup>-1</sup> , 20 to 600°C	<1
Average fracture strength	MPa	25
Max. application temperature	°C	1,000

Different shapes are available for ALTITE.  
Custom-made production is possible upon request.

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