

## Data Sheet

Revision 2: 2025.06.02

### Calsicast

A creamy, pourable insulation composite aluminosilicate refractory. The material has a high porosity, very fine texture, is soft and easy to cut.

#### **Chemical analysis (%)**

Al <sub>2</sub> O <sub>3</sub>	58.1
SiO <sub>2</sub>	28.2
CaO	9.90
MgO	0.26
Fe <sub>2</sub> O <sub>3</sub>	0.71
K <sub>2</sub> O	0.56
TiO <sub>2</sub>	0.49
Na <sub>2</sub> O	0.27
P <sub>2</sub> O <sub>5</sub>	0.23
ZrO <sub>2</sub>	0.25
Cr <sub>2</sub> O <sub>3</sub>	0.01
LOI	0.67

#### **Physical Properties:**

<b>Bulk Density (Wet):</b>	~1.20 g/cm <sup>3</sup>
<b>Bulk Density (After setting):</b>	~1.13 g/cm <sup>3</sup>
<b>Bulk Density (Fired @ 450°C):</b>	~0.85 g/cm <sup>3</sup>
<b>Apparent Porosity:</b>	~28%
<b>Maximum Service Temperature:</b>	~900°C

#### **Preparation:**

Add +44% water, mix and pour within 5 minutes.

#### **Setting time / Heat of hydration:**

Between 1 – 3 hours depending on weather conditions.

#### **Packaging:**

10kg plastic bags.

#### **Shelf life:**

About 18 months