

# REGO

## TECHNICAL DATA SHEET

### 1 GENERAL INFORMATION

**Rego** is a calcium aluminate clinker aggregate product which is designed by Çimsa Research and Application Center. Rego has superior compatibility with cement and mortar mixes as a filling material.

**Rego** offers various advantages for concrete applications such as;

- Tailor-made particular size distribution,
- High abrasion resistance,
- High thermal resistance,
- High early strength.

### 2 APPLICATION AREAS

Rego is recommended to use in refractory and mining applications.

### 3 PRODUCTION

Çimsa Aluminates products are produced in L-shaped kilns by fused method with the special cooling system.

### 4 PHASE COMPOSITION

**Major Mineral Phases** : CA

**Yardımcı Mineral Faz** : C<sub>12</sub>A<sub>7</sub>, C<sub>2</sub>AS, C<sub>4</sub>AF

### 5 CHEMICAL COMPOSITION

Al <sub>2</sub> O <sub>3</sub> (%)	CaO (%)	SiO <sub>2</sub> (%)	Fe <sub>2</sub> O <sub>3</sub> (%)
≥ 38.5	≤ 39.0	≤ 5.0	≤ 19.0

TiO <sub>2</sub> (%)	MgO (%)	SO <sub>3</sub> (%)	Na <sub>2</sub> Eq Alkali (%)
≤ 3.0	≤ 1.0	≤ 0.2	≤ 0.3

### 6 OTHER PARAMETERS

Hardness (Mohs)	≤ 7.5
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### 7 QUALITY CONTROL

Production processes are certified according to EN ISO 9001, EN ISO 45001 and EN ISO 14001.

### 8 SAFETY INSTRUCTIONS

Standard safety requirements for regular cements have to be followed. For further information, please refer to the Safety Data Sheet of **Rego**.

### 9 STORAGE CONDITIONS AND SHELF LIFE

**Rego** must be stored in dry and sheltered conditions. In this case, it will retain its properties for a minimum of 6 months. Based on previous studies, its properties for more than one year observed to be preserved for a long time. No more than 10 bags or 2 pallets should be stacked on top of each other. The product must be stored in its original package. When it is not in use, the mouth of the package must be tightly closed.