

# CARO WHITE

## Calcium Aluminate Cement

### Product Description

- CARO WHITE is a 70% alumina cement developed for the building chemistry.
- CARO WHITE is characterized by specific whiteness, high purity, and high reactivity which results in fast strength development.

Chemical Composition	Unit	Typical	Min.	Max.
Al <sub>2</sub> O <sub>3</sub>	[%]	70	68.5	
CaO	[%]	29		31.0
SiO <sub>2</sub>	[%]	0.15		0.4
Fe <sub>2</sub> O <sub>3</sub>	[%]	0.05		0.3
MgO	[%]	0.29		0.4
K <sub>2</sub> O + Na <sub>2</sub> O	[%]			0.4
Phase Composition				
Ratio C <sub>12</sub> A <sub>7</sub> / CA				0.01
CA		Major		
CA <sub>2</sub>		Major		
C <sub>12</sub> A <sub>7</sub>		Minor		
α - Al <sub>2</sub> O <sub>3</sub>		Minor		
Whiteness (CIELAB values)				
L*			92	
a*			-0.5	0
b*			0	1.6
Fineness		Typical	Min.	Max.
Specific surface area Blain	[cm <sup>2</sup> /g]		3700	
Residue 90 μm	[%]	0		5
- 45 μm	[%]	97	80	
Particle Size D50	[μm]	10		
Other Characteristics				
Bulk density	[g/cm <sup>3</sup> ]	0.9		
Density	[g/cm <sup>3</sup> ]	3.0		

The typical product properties are based upon the actual averages from product data. The Min/Max data show our standard product specification data for these products.

All data are based upon Almatris standard test methods. All test methods are available upon request.

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### Shelf life

Stored under adequate dry conditions and in the original packaging, the properties of all Almatris Calcium Aluminate Cements remain stable for a period of 24 months. Experience has shown that even after longer storage time the properties are not impaired. Exposure to ultraviolet radiation from direct sunlight can alter the plastic packaging and ultimately reduce the shelf life. An additional protection from direct sunlight is required in such cases. The shrink wrap should remain until the material is being used.

### Standard Packaging

- 25 kg bags
- 1000 kg bulk bags
- Bulk shipments on request

Contact for sales, technical information and application assistance

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**SDS 993**