



CEMENTOS ALFA, S.A.

PLANT: MATAPORQUERA

ER Certificate: ER-0572/1998



TECHNICAL CHARACTERISTICS CERTIFICATE

Cement

CEM II/A-L 42,5 R BS-EN 197-1

**N: 015/002144
CE: 0099/CPR/A33/1061**

Period

April, 2026

| TESTS | Results Average Value | Standard Spec. EN/UNE |
|--|--------------------------|--------------------------|
| Chemical Characteristics | | |
| Loss on Ignition | % | |
| Insoluble Residue | % | |
| Sulphates (SO ₃) | % | < 4,0 |
| Chlorides | % | < 0,10 |
| Physical and Mechanical Characteristics | | |
| Normal Consistency Water | % | 29,6 |
| Initial Setting Time | min | 189 |
| Final Setting Time | min | 236 |
| Soundness Le Chatelier | mm | 0,6 |
| Specific Surface (Blaine) | cm ² /g | 4465 |
| Compressive Strength at 2 days | MPa | |
| • Monthly average | 29,9 | > 20,0 |
| • Cumulative average (05/2025 - 04/2026) | 29,9 | > 20,0 |
| • Cumulative Std. Dev. (05/2025 - 04/2026) | 1,4 | |
| Compressive Strength at 28 days | MPa | |
| • Monthly average | 55,4 | 42,5 - 62,5 |
| • Cumulative average (05/2025 - 04/2026) | 54,8 | 42,5 - 62,5 |
| • Cumulative Std. Dev. (05/2025 - 04/2026) | 2,1 | |
| Additional Characteristics | | |
| C3A * | (%) | 7,8 |
| Alkali Equivalent | (%) | 0,80 |

* Corresponding to clinker composition

This document doesn't imply that any amount of cement has been supplied by the Company

Barrio la Estación, s/n.
39410 Mataporquera (Cantabria)
Tel. 942 770 058
Fax 942 770 243
info@alfainforma.com
www.valderrivas.es

Chief of Quality Control

