

AALBORG WHITE® cement *made in Egypt* CEM I 52,5 N

AALBORG WHITE® cement *made in Egypt* CEM I 52,5 N
 certified by KIWA with the certificate no. 0770-CPR-2092-01-18.

| Essential characteristics | | Typical value | Requirements in EN 197-1 |
|---|--------------------|---------------|--------------------------|
| 1 day strength | MPa | 26 | |
| 2 days strength | MPa | 39 | ≥ 30 |
| 28 days strength | MPa | 67 | ≥ 52.5 |
| Initial setting time | min | 135 | ≥ 45 |
| Standard Consistency | | 29 | |
| Soundness | mm | 1.0 | ≤ 10 |
| Fineness | m ² /kg | 410 | |
| Reflectance (DIN 5033) | % | 86.5 | |
| Hunter L | | 93.0 | |
| Hunter a | | -1.4 | |
| Hunter b | | 3.6 | |
| Absolute density | kg/m ³ | 3150 | |
| Bogue composition – Clinker / ASTM | | | |
| C ₃ S | % | 72 | |
| C ₂ S | % | 17 | |
| C ₃ A | % | 6 | |
| C ₄ AF | % | 0.8 | |
| Chemical properties | | | |
| SO ₃ | % | 3.4 | ≤ 4.0 |
| MgO | % | 0.2 | |
| Alkalies as Na ₂ O | % | 0.5 | |
| Cl ⁻ | % | 0.07 | ≤ 0.10 |
| Loss on ignition | % | 3.5 | ≤ 5.0 |
| Insoluble residue | % | 0.2 | ≤ 5.0 |
| Water soluble Cr ⁶⁺ | mg/kg | ≤ 2.0 | |

