

**Product Data Sheet - 2024**
**AALBORG WHITE cement D-Carb<sup>®</sup>** *made in Denmark*

**AALBORG WHITE cement D-Carb** is marked as CEM II/A-LL 52,5 R.  
 The cement and clinker are produced by Aalborg Portland A/S in Aalborg, Denmark.

| Essential characteristics                | Standard | Unit               | Range <sup>1)</sup> | Requirements in EN 197-1:2021 |
|------------------------------------------|----------|--------------------|---------------------|-------------------------------|
| <b>Physical properties</b>               |          |                    |                     |                               |
| 1 day strength                           | EN196-1  | MPa                | 21 – 28             |                               |
| 2 days strength                          | EN196-1  | MPa                | 34 – 42             | ≥ 30                          |
| 28 days strength                         | EN196-1  | MPa                | 56 – 66             | ≥ 52.5                        |
| Initial setting time                     | EN196-3  | min                | 125 – 165           | ≥ 60                          |
| Standard Consistency                     | EN196-3  | %                  | 28-30               |                               |
| Soundness                                | EN196-3  | mm                 | 0                   | ≤ 10                          |
| Fineness                                 | EN196-6  | cm <sup>2</sup> /g | 3700-4000           |                               |
| Reflectance                              | DIN 5033 | %                  | 87                  |                               |
| Hunter L                                 |          |                    | 93                  |                               |
| Hunter A                                 |          |                    | -2.0                |                               |
| Hunter B                                 |          |                    | 3.8                 |                               |
| Absolute density                         |          | kg/m <sup>3</sup>  | 3030                |                               |
| Bulk density                             |          | kg/m <sup>3</sup>  | 1100                |                               |
| <b>Chemical properties</b>               |          |                    |                     |                               |
| SO <sub>3</sub>                          | EN196-2  | %                  | 2.5                 | ≤ 4.0                         |
| MgO                                      | EN196-2  | %                  | 0.7                 |                               |
| Alkalies as Na <sub>2</sub> O equivalent | EN196-2  | %                  | 0.2                 |                               |
| Cl <sup>-</sup>                          | EN196-2  | %                  | 0.02                | ≤ 0.10                        |
| Water soluble Cr <sup>6+</sup>           | EN196-10 | mg/kg              | ≤ 2                 |                               |
| <b>Cement composition</b>                |          |                    |                     |                               |
| Main constituents - Clinker              |          | % <sup>2)</sup>    | 84                  | ≥ 80                          |
| Minor constituents - Limestone           |          | % <sup>2)</sup>    | 14-18               | ≤ 20                          |
| Other constituents - Calcium Sulphate    |          | %                  | 4                   |                               |

1) For properties where there is a specified range, the probability that a value falls outside is less than 5%.

2) Percentage based on the sum of main and minor constituents.

*Last updated: 11.01.2024, Aalborg*

