

PRODUCT DATA SHEET

# STANDARDSEMENT FA

CEM II/B-M(V-L) 42,5 R

LATEST REVISION JUNE 2024

The cement satisfies the requirements according to NS-EN 197-1:2011 for Portland composite cement CEM II/B-M(V-L) 42,5 R

| Properties                                     |         | Declared values        | Requirements according to NS-EN 197-1:2011 |
|--|---------|------------------------|--|
| Fineness (Blaine m <sup>2</sup> /kg)           |         | 450                    |  |
| Specific weight (kg/dm <sup>3</sup> )          |         | 3,00                   |  |
| Soundness (mm)                                 |         | 1                      | ≤10  |
| Initial setting time (min)                     |         | 140                    | ≥60  |
| Compressive strength (MPa)                     | 1 day   | 19                     |  |
|  | 2 days  | 29                     | ≥20  |
|  | 7 days  | 40                     |  |
|  | 28 days | 53                     | ≥42,5 ≤62,5                                |
| Sulfate (% SO <sub>3</sub> )                   |         | ≤4,0                   | ≤4,0                                       |
| Chloride (% Cl <sup>-</sup> )                  |         | ≤0,085 (B) / ≤0,05 (K) | ≤0,10                                      |
| Water soluble chromium (ppm Cr <sup>6+</sup> ) |         | ≤2                     | ≤2 <sup>1)</sup>                           |
| Alkalies (% Na <sub>2</sub> O <sub>ekv</sub> ) |         | 1,4 (B) / 1,5 (K)      |  |
| Clinker (%)                                    |         | 76                     | 65-79                                      |
| Fly ash  |         | 18                     | 21-35                                      |
| Limestone (%)                                  |         | 6                      |  |

1) According to EU-regulation REACH Annex XVII point 47 Chromium VI-compounds

B = Brevik and K = Kjølsvik



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