# Anläggningscement FA Slite

## CEM II/A-V 42,5 N MH/LA/NSR

Anläggningscement FA Slite is a Portland-fly ash cement produced by Heidelberg Materials in Slite, Sweden.

The product fulfills the technical data below. On rare occasions the values may deviate from the specified ranges or limits.

| Property | | Value | Range | Requirements in EN 197-1 |
|---|---|---|---|---|
| Compact density (kg/m³) | | 3010 | ±20 | - |
| Bulk density (kg/m³) | | 1000 | ±200 | - |
| Setting time (min) | | 170 | ±30 | ≥ 60 |
| Specific surface (blaine, m²/kg) | | 440 | ±30 | - |
| Brightness (%) | | 25 | ± 1 | - |
| Compressive strength (MPa) | 1 day | 11 | ± 3 | - |
| | 2 days | 20 | ± 3 | ≥ 10.0 |
| | 7 days | 38 | ± 4 | - |
| | 28 days | 52 | ± 4 | ≥ 42.5 / ≤ 62.5 |
| Heat of hydration (kJ/kg) | 1 day | 170 | ±20 | - |
| | 3 days | 250 | ±20 | - |
| | 7 days | 290 | ±20 | ≤ 320[1] |
| Sulfates, $SO_3$ (%) | | ≤ 3.0 | - | ≤ 3.0[2] |
| $C_3A$, clinker (%) | | 2.0 | ± 0.7 | ≤ 3[2] |
| Alkali in clinker, $Na_2O_{eq}$ (%) | | 0.55 | ± 0.05 | ≤ 0.6[3] |
| Chloride, $Cl^-$ (%) | | 0.01 | ± 0.01 | ≤ 0.10 |
| Water-soluble chromium $Cr^{6+}$ (PPM) | | 0-2 | - | ≤ 2[4] |
| Loss of ignition, fly ash (%) | | < 5.0 | - | ≤ 5.0 |
| Clinker (%) | | ≥ 80 | - | 80-94 |
| Fly ash[6] (%) | | ≤ 18[5] | - | 6-20 |
| Limestone (%) | | ≤ 5 | - | 0-5 |

[1] According to SS 134202 verified with Isothermal Calorimetry (ICC) according to EN 196-11. [2] According to SS 134204. [3] According to SS 134203. [4] Clause 47 of Annex XVII the REACH Regulation. [5] Fly ash according to EN 450-1. The target value for content of fly ash is 14 %.

The maximum storage period is 18 months from the date of packaging for unopened 20kg bags, 12 months from the date of packaging for unbroken big bags and 6 months from the date of delivery for silos (bulk).

For further information and handling of cement, see the safety data sheet.

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