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Reference

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Heidelberg Materials Cement Sverige AB
Box 47210
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**Verification document for moderate heat of hydration (MH)
according to SS 134202:2021, low alkali content (LA) according to
SS 134203:2025 and national sulfate resistance (NSR) according to
SS 134204:2025**

Issued for

Heidelberg Materials Cement Sverige AB

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Product description

Portland-fly ash cement CEM II/A-V 42,5 N Slite, CE certificate number 0402 – CPR – SC1082-14, which fulfils the requirements of SS-EN 197-1:2011.

Unique identification code of the product type

Portland-fly ash cement EN 197-1 CEM II/A-V 42,5 N – Slite

Designation according to SS 134202, SS 134203 och SS 134204

Portland fly ash cement CEM II/A-V 42,5 N – MH/LA/NSR – Slite

Intended use

Preparation of concrete, mortar, grout and other mixes for construction and for the manufacture of construction products.

Verification

The product has been verified against the requirements for:

- Moderate heat of hydration (MH) according to SS 134202:2021
(heat of hydration ≤ 320 J/g at 7 days, characteristic value, determined according to SS-EN 196-11:2019)
- Low alkalinity (LA) according to SS 134203:2025
(characteristic value of $\text{Na}_2\text{O}_{\text{eq}}$ in the Portland cement clinker is $\leq 0,6$ %)
- National sulfate resistance (NSR) according to SS 134204:2025
(SO_3 content in the cement $\leq 3,0$ %, characteristic value
 C_3A content in the Portland cement clinker ≤ 3 %, characteristic value)

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Confidentiality level

C2 - Internal

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Control

The manufacturers autocontrol will be monitored in 2026 by RISE Research Institutes of Sweden AB. RISE is a notified body (number 0402) for product certification against SS-EN 197-1. The control is carried out by RISE Infrastructure and Concrete technology. The control includes evaluation of tests (carried out by RISE and Heidelberg Materials Cement Sverige AB) with regard to heat of hydration and sulfate content on audit samples of the cement, taken by RISE six times per year. The verification of alkali content and C₃A content is carried out based on the manufacturers documented autocontrol and is not determined on audit samples, since these requirements, according to the standards, are related to the Portland cement clinker.

Producing factory

Owner: Heidelberg Materials Cement Sverige AB
Factory: Heidelberg Materials Cement Sverige AB, Slite

Assessment basis:

Documents from RISE AB:

- Report P120889-08 SL dated 2024-11-05 (test report for 2024)
- Report P120889-10 SL dated 2025-01-23 (test report for 2024)
- Report P120889-12 SL dated 2025-02-17 (test report for 2024)
- Report P124270-02 SL dated 2025-10-09 rev (test report for 2025)
- Report P124270-04 SL dated 2025-10-09 rev (test report for 2025)
- Report P124270-06 SL dated 2025-10-09 rev (test report for 2025)
- Report P124270 utv 1 SLFA dated 2025-10-08 rev (evaluation for 2024/2025)

Documents from Heidelberg Materials Cement Sverige AB:

- Documented autocontrol covering July 2024 to June 2025
- The manufacturers audit sample test results during 2024/2025 (six samples)

Verification

The product fulfils the requirements for moderate heat of hydration (MH) according to SS 134202:2021, low alkali content (LA) according to SS 134203:2025 and national sulfate resistance (NSR) according to SS 134204:2025 as well as the requirements of third part control in AMA Anläggning 23 chapter EBE 1.

Comments

The product is CE-marked, declaration of performance Nr 0402-DoP-SE13-SC1082-14 dated 2023-12-19, and fulfils the requirements in SS-EN 197-1:2011 and SS-EN 197-2:2000.

Period of validity

This verification document is valid until December 31, 2026

**RISE Research Institutes of Sweden AB
Infrastructure and Concrete technology – Material Lab**

Issued by

Lovise Sjöqvist

Verifikat

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