Certificate

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Date
2024-11-22
Rev. Date
2024-12-20

Reference
O100634-1293588-04Rev 1

Heidelberg Materials Cement Sverige AB
Box 47210
100 74 STOCKHOLM
Sweden

Verification document for classification of cement (LA and HS), the supplementary requirement regarding alkali content (equivalent Na2O) of maximum 0.5 wt-% (0.6 wt-%) and supplementary requirements regarding chloride content of maximum 0.04 wt-% according to DS/INF 135:2024

The revision concerns addition of classification (HS).

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, certificate number 0402 – CPR – SC1082-14 , which fulfils the requirements of SS-EN 197-1:2011.

Trade name
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.

Verified properties
The product has been verified against the requirements according to DS/INF 135:2024 for:

- Classification (LA)
- Classification (HS)
- The supplementary requirement regarding alkali content (equivalent Na_2O) of maximum 0.5 wt-% (0.6 wt-%)
- The supplementary requirement regarding chloride content of maximum 0.04 wt-%

The verification of alkali- and C_3A-content, Na_2O-ekv have been determined by testing all constituents except fly ash mixed together before fly ash is added. This is a deviation from the standard.

Control
The manufacturers autocontrol according to DS/INF 135:2024 will be monitored in 2025 by RISE Research Institutes of Sweden AB. RISE is a notified body (number 0402) for product certification against EN 197-1. The control is carried out by RISE Infrastructure and Concrete technology. The control also includes evaluation of audit testing of alkali- and C_3A-content, carried out by RISE and Heidelberg Materials Cement AB on audit samples on the cement before adding fly ash, taken by RISE at frequencies specified in DS/INF 135:2024. The control also includes evaluation of audit testing of chloride content, carried out by RISE and Heidelberg Materials Cement AB on audit samples on the final cement, taken by RISE at frequencies specified in EN 197-1:2011.

Manufacturing plant

Owner:	Heidelberg Materials Cement Sverige AB
Site:	Heidelberg Materials Cement Sverige AB, Slite
Product identification:	Portland-fly ash cement EN 197-1 – CEM II/A-V 42,5 N – MH/LA/NSR – Slite

Assessment basis:
Documents from RISE AB:

- Report P120889-08 SL dated 2024-11-05 (test report from 2024)
- Report P120889 utv 1 SLFA dated 2024-10-21 (evaluation for 2023/2024)
- Report P120889-06 Rev 1, "Analys av cement" dated 2024-12-13
- Report P120889-08 Rev 1, "Analys av cement" dated 2024-12-13
- Report P120889-10 "Analys av cement" dated 2024-12-19

Documents from Heidelberg Materials Cement Sverige AB:

- Documented autocontrol of Na_2O-ekv and C_3A content excluding fly ash covering November 2023 to June 2024
- The manufacturers audit sample test result from 2023/2024 (6 samples)

Verification
The product fulfils the requirements on alkali content classification (LA), the C_3A content classification (HS), the supplementary requirement regarding alkali content (Na_2O-eqv) of maximum 0.5 wt-% (0.6 wt-%) and the supplementary requirement regarding chloride content of maximum 0.04 wt-% according to DS/INF 135:2024.

Comments
The product is CE-marked, declaration of performance Nr 0402-DoP-SE13-SC1082-14 dated 2023-12-19, and fulfils the requirements in EN 197-1 :2011 and EN 197-2:2000. The manufacturer have a verification document regarding the properties MH, LA, NSR according to SS 134202, SS 134203 och SS 134204.

Period of validity
This verification document is valid until December 31, 2025

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

Issued by

Lovise Sjöqvist

Verifikat

Transaktion 09222115557534847257

Dokument

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Signerare

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