Heidelberg Materials UK
Second Floor, Arena Court, Crown Lane
Maidenhead, Berkshire, SL6 8QZ
Padeswood Works
1333-CPR-00121

UK CA
1333

Heidelberg Materials

# Cement Test Report

Heidelberg Materials
UK
Ketton
Stamford
PE9 3SX
Tel: 0330 123 2074
Fax: 01780 727008

Results of tests made at the laboratories of the company on samples of
Padeswood PC, BS EN 197-1:2011 - CEM I 52,5N
Dispatched from Padeswood during week ending 25-Oct-26 (Week No. 2026-42 )
and during week ending 04-Oct-26 (Week No. 2026-39 ) for 28 day results

| Date | Fineness | Setting Time | Soundness | Compressive Strength | | | Chloride | Alkali | |
|---|---|---|---|---|---|---|---|---|---|
| | Specific Surface ($m^2/kg$) | Initial (mins) | Expansion (mm) | 40mm x 40mm x 160mm Mortar prisms | | | mean of 25 % | Certified Average of 25 Alkali % $Na_2O$ eq | Standard Deviation |
| | | | | 2 Days ($N/mm^2$) | 7 Days ($N/mm^2$) | 28 Days ($N/mm^2$) | | | |
| 19-Oct-26 | 445 | 180 | 0 | 29.0 | 48.0 | | 0.06 | 0.55 | 0.05 |
| 20-Oct-26 | 435 | 155 | | 27.5 | 47.0 | | 0.06 | 0.54 | 0.05 |
| 22-Oct-26 | 440 | 165 | | 31.0 | 52.0 | | 0.06 | 0.54 | 0.05 |
| 23-Oct-26 | 430 | 145 | | 31.5 | 51.0 | | 0.06 | 0.54 | 0.05 |
| Average | 440 | 160 | | 30.0 | 49.5 | | | | |
| 28-Sep-26 | 440 | 175 | 2 | 29.5 | 45.5 | 58.5 | 0.05 | 0.56 | 0.03 |
| 29-Sep-26 | 435 | 150 | | 30.5 | 48.0 | 59.5 | 0.05 | 0.56 | 0.03 |
| 01-Oct-26 | 440 | 180 | | 31.0 | 47.0 | 59.5 | 0.05 | 0.56 | 0.03 |
| 02-Oct-26 | 435 | 175 | | 31.5 | 49.5 | 62.5 | 0.05 | 0.56 | 0.03 |
| Average | 440 | 170 | | 30.5 | 47.5 | 60.0 | | | |

Product Declaration:
Declared Mean Alkali (%) = 0.75 (Max)
Declared Mean Chloride content (%) = 0.07 (Max)

For and on behalf of
HEIDELBERG MATERIALS UK

*Dr Nina Cardinal, Dipl.Ing., CEng, MICT*
*Technical Strategy Director*
*Heidelberg Materials UK*

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