



Heidelberg Materials UK
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 Maidenhead, Berkshire, SL6 8QZ
 Ribblesdale Works
 1333-CPR-00127



Cement Test Report

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Results of tests made at the laboratories of the company on samples of
 Ribblesdale PC, BS EN 197-1:2011 - CEM I 52,5N
 Dispatched from Ribblesdale during week ending
 and during week ending

01-Dec-24 (Week No. 2024-48)
 10-Nov-24 (Week No. 2024-45) for 28 day results

| Date | Fineness Specific Surface (m ² /kg) | Setting Time Initial (mins) | Soundness Expansion (mm) | Compressive Strength | | | Chloride % | Alkali | |
|-----------|--|-----------------------------------|--------------------------------|-----------------------------------|--------------------------------|---------------------------------|---------------|---|-----------------------|
| | | | | 40mm x 40mm x 160mm Mortar prisms | | | | Certified Average Alkali % Na ₂ O eq | Standard Deviation |
| | | | | 2 Days (N/mm ²) | 7 Days (N/mm ²) | 28 Days (N/mm ²) | | | |
| 25-Nov-24 | 400 | 135 | 2 | 35.0 | 45.5 | | 0.06 | 0.66 | 0.03 |
| 26-Nov-24 | 435 | 150 | | 34.0 | 47.0 | | 0.06 | 0.66 | 0.03 |
| 27-Nov-24 | 405 | 145 | | 35.0 | 48.0 | | 0.06 | 0.66 | 0.03 |
| 28-Nov-24 | 400 | 145 | | 32.5 | 46.5 | | 0.06 | 0.66 | 0.03 |
| 29-Nov-24 | 410 | 145 | | 33.0 | 47.0 | | 0.06 | 0.66 | 0.03 |
| Average | 410 | 145 | 1 | 34.0 | 47.0 | | 0.06 | | 0.03 |
| 04-Nov-24 | 405 | 135 | 0 | 37.5 | 51.5 | 62.5 | 0.06 | 0.65 | 0.03 |
| 05-Nov-24 | 405 | 135 | | 35.5 | 49.5 | 59.0 | 0.06 | 0.65 | 0.03 |
| 06-Nov-24 | 405 | 130 | | 37.0 | 51.0 | 62.0 | 0.05 | 0.65 | 0.03 |
| 07-Nov-24 | 395 | 135 | | 36.5 | 47.5 | 57.0 | 0.05 | 0.66 | 0.03 |
| 08-Nov-24 | 390 | 130 | | 33.5 | 46.5 | 57.0 | 0.05 | 0.66 | 0.03 |
| Average | 400 | 135 | | 36.0 | 49.0 | 59.5 | 0.05 | | 0.03 |

Product Declaration:

Declared Mean Alkali (%) = 0.75 (Max)

Declared Chloride content (%) = 0.07 (Max)

For and on behalf of
 HEIDELBERG MATERIALS UK

Dr Nina Cardinal, Dipl.Ing., CEng, MICT
 National Technical Manager
 Heidelberg Materials UK

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