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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

13-Sep-26 (Week No. 2026-36 )

and during week ending

23-Aug-26 (Week No. 2026-33 ) for 28 day results

| Date      | Fineness                                 | Setting Time      | Soundness         | Compressive Strength              |                                |                                 | Chloride        | Alkali                                                         |                       |
|-----------|------------------------------------------|-------------------|-------------------|-----------------------------------|--------------------------------|---------------------------------|-----------------|----------------------------------------------------------------|-----------------------|
|           | Specific Surface<br>(m <sup>2</sup> /kg) | Initial<br>(mins) | Expansion<br>(mm) | 40mm x 40mm x 160mm Mortar prisms |                                |                                 | mean of 25<br>% | Certified<br>Average of 25<br>Alkali<br>% Na <sub>2</sub> O eq | Standard<br>Deviation |
|           |                                          |                   |                   | 2 Days<br>(N/mm <sup>2</sup> )    | 7 Days<br>(N/mm <sup>2</sup> ) | 28 Days<br>(N/mm <sup>2</sup> ) |                 |                                                                |                       |
| 07-Sep-26 | 390                                      | 135               | 0                 | 39.0                              | 51.0                           |                                 | 0.07            | 0.69                                                           | 0.03                  |
| 08-Sep-26 | 385                                      | 135               |                   | 38.5                              | 51.0                           |                                 | 0.07            | 0.69                                                           | 0.03                  |
| 09-Sep-26 | 385                                      | 140               |                   | 39.0                              | 50.5                           |                                 | 0.07            | 0.69                                                           | 0.03                  |
| 10-Sep-26 | 380                                      | 135               |                   | 38.0                              | 49.5                           |                                 | 0.07            | 0.69                                                           | 0.03                  |
| 11-Sep-26 | 400                                      | 145               |                   | 38.0                              | 49.0                           |                                 | 0.07            | 0.69                                                           | 0.03                  |
| Average   | 390                                      | 140               |                   | 38.5                              | 50.0                           |                                 |                 |                                                                |                       |
| 17-Aug-26 | 390                                      | 110               | 1                 | 38.0                              | 48.0                           | 58.5                            | 0.07            | 0.68                                                           | 0.03                  |
| 18-Aug-26 | 380                                      | 105               |                   | 37.5                              | 49.0                           | 58.0                            | 0.07            | 0.68                                                           | 0.03                  |
| 19-Aug-26 | 385                                      | 110               |                   | 38.5                              | 48.0                           | 58.5                            | 0.07            | 0.69                                                           | 0.03                  |
| 20-Aug-26 | 395                                      | 140               |                   | 38.0                              | 49.0                           | 58.0                            | 0.07            | 0.69                                                           | 0.03                  |
| 21-Aug-26 | 375                                      | 140               |                   | 36.5                              | 49.5                           | 56.0                            | 0.07            | 0.69                                                           | 0.03                  |
| Average   | 385                                      | 120               |                   | 37.5                              | 48.5                           | 58.0                            |                 |                                                                |                       |

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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