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Ribblesdale Works  
1333-CPR-00248



## Cement Test Report

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Results of tests made at the laboratories of the company on samples of  
Ribblesdale PLC 52,5N, BS EN 197-1:2011 - CEM II/A-LL 52,5N

Dispatched from Ribblesdale during week ending 29-Oct-23 (Week No. 2023-43 )  
and during week ending 08-Oct-23 (Week No. 2023-40 ) for 28 day results

| Date      | Fineness                    | Setting Time      | Soundness         | Compressive Strength              |                   |                    | Chloride | Alkali                                   |                       |
|-----------|-----------------------------|-------------------|-------------------|-----------------------------------|-------------------|--------------------|----------|------------------------------------------|-----------------------|
|           | Specific Surface<br>(m²/kg) | Initial<br>(mins) | Expansion<br>(mm) | 40mm x 40mm x 160mm Mortar prisms |                   |                    | %        | Certified<br>Average Alkali<br>% Na₂O eq | Standard<br>Deviation |
|           |                             |                   |                   | 2 Days<br>(N/mm²)                 | 7 Days<br>(N/mm²) | 28 Days<br>(N/mm²) |          |                                          |                       |
| 23-Oct-23 | 425                         | 125               | 0                 | 38.0                              | 47.0              |                    | 0.06     | 0.63                                     | 0.06                  |
| 27-Oct-23 | 455                         | 130               | 1                 | 36.5                              | 45.0              |                    | 0.06     | 0.63                                     | 0.06                  |
|           |                             |                   |                   |                                   |                   |                    |          |                                          |                       |
| Average   | 440                         | 130               | 1                 | 37.5                              | 46.0              |                    | 0.06     |                                          | 0.06                  |
| 02-Oct-23 | 445                         | 145               | 1                 | 38.0                              | 51.0              | 61.5               | 0.06     | 0.62                                     | 0.06                  |
| 06-Oct-23 | 425                         | 155               | 1                 | 37.5                              | 51.0              | 62.0               | 0.06     | 0.62                                     | 0.06                  |
|           |                             |                   |                   |                                   |                   |                    |          |                                          |                       |
| Average   | 435                         | 150               | 1                 | 38.0                              | 51.0              | 62.0               | 0.06     |                                          | 0.06                  |

### 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, MiMMM  
National Technical Manager  
Heidelberg Materials UK

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