

An independent testing laboratory specialising in the testing of cementitious materials

## PREPARED FOR TITAN CEMENT Ltd. HULL

|                           |                          |              |
|---------------------------|--------------------------|--------------|
| REPORT REFERENCE          | Titan                    | 121          |
| CLIENT REFERENCE          | PRISM                    | 2023         |
| SHIP REFERENCE            | "9-23                    |              |
| SAMPLE                    | ORDINARY PORTLAND CEMENT |              |
| DATE OF RECEIPT OF SAMPLE | 26-Sep-23                |              |
| DATE OF TESTS             | 26-Sep-23                | to 24-Oct-23 |
| DATE OF REPORT            | 24-Oct-23                |              |

ALL RESULTS ARE BASED ON SAMPLE RECEIVED FROM THE CLIENT: TESTED AS RECEIVED.

### CHEMICAL COMPOSITION :- by mass, as received

|                      |                         |                   |
|----------------------|-------------------------|-------------------|
| Density              | 3190 kg/m <sup>3</sup>  | (BSEN 196-6:2010) |
| Fineness             | 4370 cm <sup>2</sup> /g | (BSEN 196-3:2016) |
| Standard Consistence | 30.0 %                  | (BSEN 196-3:2016) |
| Initial Setting Time | 130 mins                | (BSEN 196-3:2016) |
| Soundness            | 0.0 mm                  | (BSEN 196-3:2016) |

### COMPRESSIVE STRENGTH: MORTAR PRISMS (BSEN 196-1:2016)

|            |          |                                     |
|------------|----------|-------------------------------------|
| AT 2 DAYS  | 36.3 MPa | (Mean of 6 results, none discarded) |
| AT 7 DAYS  | 50.0 MPa | (Mean of 6 results, none discarded) |
| AT 28 DAYS | 62.1 MPa | (Mean of 6 results, none discarded) |

### CHEMICAL COMPOSITION :- by mass, as received

|                        |        |                   |
|------------------------|--------|-------------------|
| K <sub>2</sub> O       | 0.53 % | (BSEN 196-2:2013) |
| Na <sub>2</sub> O      | 0.19 % | (BSEN 196-2:2013) |
| Na <sub>2</sub> O (eq) | 0.54 % | (BSEN 196-2:2013) |
| Chloride               | 0.01 % | (BSEN 196-2:2013) |

END OF REPORT

SIGNED:

Certificate signed by:  ✓ S. Burton A.M.I.C.T  
Technical Manager

J.M. Burton

Quality Manager