Kiwa CMT

**Kiwa CMT Testing**
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| | |
|---|---|
| **Date:** | 29th March 2021 |
| **Lab Ref:** | 62951 |
| **Order Ref:** | CML 280 |
| **Originator:** | Nick Collier |
| **Site:** | N/A Trackcrete. |
| **Samples:** | 2 x 25kg bags of Trackcrete material were delivered, by the client, to Kiwa CMT on the 18th February 2021. |
| **Requirements:** | To mix the material at a water solids ratio of 0.08 (8.0%) and produce 2 sets of prisms to be tested at 7 and 28 days respectively for Density, Flexural Strength and Compressive strength in accordance with BSEN1015-11. Hardened samples were then analysed for Chloride content in accordance with EN1015-17. |
| **Results:** | Detailed test results and information are appended. |

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*G. Peach* AMICT
Department Manager
Building Products

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**Results:**

**Density, Flexural Strength and Compressive Strength (7 days after casting)**

| Ref | Cast Date | Test Date | Density (Kg/m³) | Flexural Strength (N/mm²) | Compressive Strength (N/mm²) | Compressive Strength (N/mm²) |
|---|---|---|---|---|---|---|
| **Trackcrete (7d)** | 01/03/21 | 08/03/21 | 2342 | 7.63 | 60.6 | 61.8 |
| **Trackcrete (7d)** | 01/03/21 | 08/03/21 | 2370 | 8.48 | 61.3 | 62.2 |
| **Trackcrete (7d)** | 01/03/21 | 08/03/21 | 2304 | 7.63 | 60.5 | 64.0 |
| | | **Av** | **2340** | **7.91** | **Av** | **61.7** |

**Density, Flexural Strength and Compressive Strength (28 days after casting)**

| Ref | Cast Date | Test Date | Density (Kg/m³) | Flexural Strength (N/mm²) | Compressive Strength (N/mm²) | Compressive Strength (N/mm²) |
|---|---|---|---|---|---|---|
| **Trackcrete (28d)** | 01/03/21 | 29/03/21 | 2338 | 10.17 | 75.8 | 73.8 |
| **Trackcrete (28d)** | 01/03/21 | 29/03/21 | 2395 | 10.07 | 73.1 | 73.1 |
| **Trackcrete (28d)** | 01/03/21 | 29/03/21 | 2390 | 9.11 | 68.3 | 73.2 |
| | | **Av** | **2375** | **9.78** | **Av** | **72.9** |

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## DETAILED ANALYTICAL RESULTS - CHLORIDES

| | | | |
|---|---|---|---|
| **Client** | Central Midland Labs | **Job No.** | 62951 |
| **Contact** | Nick Collier | **Site^** | Natural Cement |
| **Order Ref** | CML280 | **Date Received** | 08/03/2021 |
| **Date Analysed** | 8 - 12/03/2021 | **Date Reported** | 15/03/2021 |
| **Test Methods** | EN1015-17 | **Sample Description** | Mortar |

| Sample Reference^ | %Chloride by mass of sample |
|---|---|
| 62951-1 Natcem35 | 0.010 |
| 62951-7 Trackcrete | <0.01 |

**Comments**
Results apply to the samples as received.

Identified information supplied by the client (^) can affect the validity of the result

**Signed :** B Fairweather
Technical Administrator

**Approved :** D. Mullee
Departmental Manager