

LABORATORY SERVICES REPORT

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Terracon

611 Lunken Park Dr
Cincinnati, OH 45226-1813
513-321-5816

Client

Chemtec International, Inc.
Attn: James Sist
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Cincinnati, OH 45244

Project

Chemtec One Testing
611 Lunken Park Dr.
Cincinnati, OH 45226

Project Number: N1171191

Terracon Consultants, Inc. (Terracon) has completed the following tests for Chemtec International, Inc., of the product ChemTec ONE, which is primarily used as a concrete sealer for protecting new and existing dense concrete structures.

1. Resistance of Concrete to Chloride Ion Penetration per AASHTO T259-02, as modified by ODOT Item 705.24
2. Scaling Resistance of Concrete Surfaces Exposed to Deicing Chemicals per ASTM C672-12 (Modified to 100 days)
3. Standard Test Method for Density, Absorption, and Voids in Hardened Concrete per ASTM C642-06

All testing was completed at Terracon Consultants, 611 Lunken Park Dr., Cincinnati, Ohio. The ChemTec ONE was applied to hardened concrete by the manufacturer.

Results of the completed testing are tabulated below and compared to ODOT Supplemental Specification 841, Soluble Reactive Silicate (SRS) Concrete Treatment.

Table I Resistance of Concrete to Chloride Ion Penetration (AASHTO T259-02, Modified by ODOT Item 705.24)	
Sample	Breakthrough Time
Untreated 1	56 seconds
Untreated 2	40 seconds
ChemTec ONE Treated 1	> 14 days
ChemTec ONE Treated 2	> 14 days

Per ODOT Supplemental Specification 841, Soluble Reactive Silicate (SRS) Concrete Treatment, the ratio of the time of the second ponding divided by the first time of ponding well exceeded the specified value of 2.

The tests were performed in general accordance with applicable ASTM, AASHTO, or DOT test methods. This report is exclusively for the use of the client indicated above and shall not be reproduced except in full without the written consent of our company. Test results transmitted herein are only applicable to the actual samples tested at the location(s) referenced and are not necessarily indicative of the properties of other apparently similar or identical materials.