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Stego Industries, LLC
216 Avenida Fabricante, Suite 101
San Clemente, CA 92672

RESEARCH REPORT: RR 26156
(CSI # 31 21 16)

Attn: Dan Marks
(949) 257-4100

REEVALUATION DUE
DATE: January 01, 2020
Issued Date: January 01, 2019
Code: 2017 LABC

GENERAL APPROVAL – Drago® Wrap Vapor Intrusion and Methane Barrier for Below Grade Walls and Slabs.

DETAILS

Drago Wrap is a multi-layer high-performance, engineered polyolefin film; of thickness nominally 20 mils; center-slit rolls 7 feet wide and approximately 12 inches in diameter; and unfold to 14 feet by 105 feet; weighing 150 lbs.

This approval is subject to the following conditions:

1. Drago Wrap Vapor Intrusion Barrier and accessories shall be supplied in clearly marked containers bearing the brand name and product identification.
2. All surfaces (e.g. subbase) against which the membrane shall be installed, and prepared according to project specifications. Subbase materials should be appropriately tamped and/or compacted to provide a solid, consistent base.
3. The design and construction of the foundation and drainage system is outside the scope of this report. The foundation drainage system shall be installed in accordance with Section 1805.4 of the 2017 Los Angeles Building Code.
4. The manufacturer shall provide quality assurance of the materials supplied as to their formulation.

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5. Drago Wrap Vapor Intrusion Barrier is permitted to be installed under building footings when evaluated and allowed by project Structural Engineer of Record.

6. Complete details of the membrane system shall be prepared and stamped by a Civil or Structural Engineer licensed by the State of California and shall be submitted to Structural Plan Check for approval.

7. Installation of the materials shall be performed by an installer that is certified by the manufacturer and in accordance with the manufacturer's installation procedure and specification. A copy of the installation record and material specification shall be kept at the job site.

8. Prior to placement of the concrete or any fill layers over the membrane, the membrane installer shall certify the membrane to be installed in accordance with the manufacturer's specifications and tested to be free of leaks based on testing noted below.

9. Testing for leaks at membrane lap seals shall be performed by air lance testing or other method selected by the installer to ensure continuous and consistent lap sealing.

10. Testing for leaks at the wrap's terminating edges and at penetrations shall be performed by smoke testing or other similarly approved indicative method selected by the installer and approved by the inspector to ensure a monolithic and consistently sealed membrane.

11. The membrane materials shall not be used with pneumatically applied concrete (gunitite or shotcrete).

12. Continuous inspection by a registered deputy inspector certified by Stego Industries, LLC, and registered in accordance with the requirements specified in Section 1705.1.6 of the 2017 Los Angeles City Building Code for special inspections is required. A report of the inspection shall be provided to the City of Los Angeles, Department of Building and Safety's Building Inspector at the conclusion of the installation. The report shall state that the installation complies with all the requirements contained in this report.

13. Protection for the membrane shall be provided in accordance with the written instructions of the engineer of record.

DISCUSSION

The report is in compliance with the 2017 City of Los Angeles Building Code.

The approval is based on tests and LADBS Acceptance Criteria for below Grade Wall and Slab Grade Barrier, Damp Proofing and Water Proofing Material (L021, and L137).

Addressee to whom this Research Report is issued is responsible for providing copies of it to architects, engineers, and builders using items approved herein in design or construction, which must be approved by Department of Building and Safety Engineers and Inspectors. NOTE: Stego

Stego Industries, LLC.

Re: Drago® Wrap Vapor Intrusion and Methane Barrier for Below Grade Walls and Slabs

Industries, LLC is the exclusive representative for Drago Wrap and accessory products which are owned by Stego Technology, LLC.

This general approval will remain effective provided the Evaluation Report is maintained valid and unrevised with the issuing organization. Any revisions to the report must be submitted to this Department, with appropriate fee, for review in order to continue the approval of the revised report.

This general approval of an equivalent alternate to the Code is only valid where an engineer and/or inspector of this Department has determined that all conditions of this approval have been met in the project in which it is to be used.

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RR 26156
TLB1800247
10/10/2018
1705.1.6, 1804.4, Chapter 71