

CITY OF LOS ANGELES

CALIFORNIA



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Hilti, Inc.
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Attention: Peter Anderson, PE
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RESEARCH REPORT: RR 25980
(CSI #04 05 19.16)

BASED UPON ICC EVALUATION SERVICE
REPORT NO. ESR-2682

REEVALUATION DUE

DATE: November 1, 2019
Issued Date: November 1, 2017
Code: 2017 LABC

GENERAL APPROVAL – Reevaluation - Hilti HIT-HY 70 – Post-installed adhesive in masonry

DETAILS

The above assemblies and/or products are approved when in compliance with the use, description, design, installation, conditions of use, and identification of Evaluation Report No. ESR-2682, reissued August 2016, revised March 2017 of the ICC Evaluation Services, LLC. The report, in its entirety, is attached and made part of this general approval.

The parts of evaluation report No. ESR-2682 marked by the asterisk have been removed or modified by the Los Angeles Building Department.

The approval is subject to the following conditions:

1. The HIS-N, HIS-RN, and HIT-IC inserts shall not be used to resist seismic loads.
2. The use of the anchors is limited to installation in uncracked masonry.
3. The system is not approved for unreinforced masonry walls.

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4. The use of anchors in fire-resistive construction shall be in accordance with Section 5.9 of the ESR-2682 report.
5. The use of the anchors to resist loads from fatigue or shock loading is outside the scope of the approval.
6. Anchors shall be installed in accordance with Section 4.2 of evaluation report ESR-2682.
7. Calculations demonstrating that the applied loads are less than the allowable loads described in this report shall be submitted to the plan check engineer at the time of permit application. The calculations shall be prepared by a Civil or Structural Engineer registered in the State of California.

EXCEPTION: Anchors used for the installation of mechanical, plumbing and electrical equipment shall be designed and detailed on a plan prepared by an engineer licensed by the state of California.

8. The allowable tension and shear loads shall not be increased for wind or seismic loads.
9. Special inspection shall be provided in accordance with Section 1704 of the Los Angeles Building Code and is applicable for installations under the Los Angeles Residential Code.
10. When anchors are located where the base-material temperature may exceed 70° F, allowable tension and shear loads shall be adjusted for in-service temperatures in accordance with Figure 1 of the report. The use of HIT-HY adhesive in base materials having interior temperatures exceeding 104° F (at the time of installation) or 180° F (during their service life) is outside the scope of this approval.
11. Anchors shall be installed per the manufacturer's instructions, except as otherwise stated in this report. A copy of this research report and the installation instructions shall be available at each job site.

DISCUSSION

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

The approval is based on tests in accordance with ICC-ES Acceptance Criteria for Adhesive Anchors in Masonry Elements (AC58), dated January 2013.

This general approval will remain effective provided the Evaluation Report is maintained valid and unrevised with the issuing organization. Any revision to the report must be

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submitted to this Department for review with appropriate fee to continue the approval of the revised report.

Addressee to whom this Research Report is issued is responsible for providing copies of it, complete with any attachments indicated, 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.

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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Attachment: ICC ES Report No. ER-2682 (15 Pages)