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Aquafin, Inc.
505 Blue Ball Road, #160
Elkton, MD 21921

RESEARCH REPORT: RR 26047
(CSI # 030100 and 040120)

BASED UPON ICC ES EVALUATION
SERVICE REPORT NO. ESR-3265

Attn: Rachel Brandenburg
(410) 392-2300

REEVALUATION DUE
DATE: May 1, 2017
Issued Date: May 1, 2016
Code: 2014 LABC

GENERAL APPROVAL – Initial Approval – RUREDIL X Mesh C10 and X Mesh Gold
Fabric-Reinforced Cementitious Matrix (FRCM) Composite Systems.

DETAILS

When in compliance with the use, description, design, installation, conditions of approval, and identification of Evaluation Report No. ESR-3265, reissued June 2015, revised January 2016 of the ICC-ES Evaluation Services, LLC. The report, in its entirety, is attached and made part of this general approval.

Portions of Report No. ESR-3265 excluded on the attached copy has been removed by the City of Los Angeles Building and Safety Department as not being included in this approval.

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Aquafin, Inc.

RE: Ruredil X Mesh C10 and Ruredil X Mesh Gold Fabric-Reinforced Cementitious Matrix (FRCM) Composite System

The approval is subject to the following conditions:

1. The design and installation must be in accordance with this report, the manufacturer's instructions, the Design Manual (DM), revision 3 dated January 4, 2016 and the 2014 Los Angeles Building Code.
2. Complete construction documents including plans and calculations along with the latest edition of the design manual must be submitted to Structural Plan Check Division for approval. Construction documents and calculations must be prepared, sealed and signed by a Civil or Structural Engineer registered in the State of California.
3. The application of FRCM composite system for strength enhancement is limited to those applications listed in sections 4.1.5 through 4.1.7 of attached ICC-ES Report, ESR-3265. All other applications of FRCM composite systems are outside the scope of this approval.
4. Special inspection for the jobsite application of the FRCM composite systems must be provided in accordance with sections 1704 through 1709 of the 2014 Los Angeles Building Code and Chapter 10 of the Design Manual.
5. Fire-resistance ratings of the concrete and masonry assemblies strengthened with FRCM systems as defined in attached ICC-ES Report, ESR-3265, are outside the scope of this approval.
6. Application of the FRCM systems to concrete members at a fabricator's facility must be by a licensed fabricator approved by the City of Los Angeles.
7. Components of the Ruredil X Mesh C10 and Ruredil X Mesh Gold FRCM composite systems shall be labeled with the Ruredil S.P.A. name and address, product name, expiration date and the Los Angeles Research Report number (LARR 26047).

Aquafin, Inc.

RE: Ruredil X Mesh C10 and Ruredil X Mesh Gold Fabric-Reinforced Cementitious Matrix (FRCM) Composite System

DISCUSSION

This report is in compliance with the 2014 City of Los Angeles Building Code.

The approval is based on data in accordance with the ICC-ES Acceptance Criteria for Masonry and Concrete Strengthening Using Fiber-Reinforced Cementitious Matrix (FRCM) Composite Systems (AC434), dated August 2014 (editorially revised December 2015).

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 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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EB
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LABC Chapters 19 & 21

Attachments: ICC-ES Report, ESR-3265 (3 pages)