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RESEARCH REPORT: RR25788
(CSI # 03050)

Expire: July 1, 2020
Issued Date: December 1, 2018
Code: 2017 LABC

GENERAL APPROVAL – Clerical Modification - MasterFiber M70, MasterFiber M100, MasterFiber F70, MasterFiber MAC 100, MasterFiber MAC Matrix for use as a physical concrete admixture.

DETAILS

MasterFiber M70, MasterFiber M100, MasterFiber F70, MasterFiber MAC 100, and MasterFiber MAC Matrix are synthetic fibers added to concrete to reduce plastic shrinkage and temperature cracking of reinforced concrete, structural plain concrete and structural plain concrete slabs on grade.

The approval is subject to the following conditions:

1. The fibers, listed by an approved listing agency, may be used in fire-resistive construction on steel decks in accordance with the approved listing.
2. The fibers shall not be used as replacement for any structural or, shrinkage and temperature reinforcement used in reinforced or structural plain concrete.
3. The fibers can only be used in normal-weight concrete.

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BASF Corporation.

RE: MasterFiber M70, MasterFiber M100, MasterFiber F70, MasterFiber MAC 100,
MasterFiber MAC Matrix for use as a physical concrete admixture.

4. The use of BASF Fibers in structural plain concrete shall be in accordance with Section 1901.2 and 1906 of the 2017 Los Angeles City Building Code.
5. When MasterFiber MAC Matrix is added to concrete and placed over steel deck, the Engineer of Record shall not utilize the composite construction when calculating the strength of the structural member.

DISCUSSION

The clerical modification is to update the report to the 2017 Los Angeles City Building Code.

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

The approval is based on tests in accordance with International Code Council Evaluation Services Acceptance Criteria for Concrete with Synthetic Fibers, AC32.

MAC Matrix was not tested for composite action in concrete over steel metal deck or for use in lightweight concrete.

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.

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.

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