DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT Housing - Federal Housing Commissioner	Series and Series Number: MATERIALS RELEASE NO: 1331
TO: DIRECTORS, SINGLE FAMILY HOCs DIRECTORS, MULTIFAMILY HUBs	ISSUE DATE September 8, 2008
	REVIEW DATE September 8, 2011

SUBJECT: **1. Product** ITW TACC Mason Bond F6200F

2. Name and address of Manufacturer

ITW TACC
195 DeMille Road
Lapeer, MI 48446

Data on the nonstandard product described herein have been reviewed by the Department of Housing and Urban Development (HUD) and determination has been made that it is considered suitable from a technical standpoint for the use indicated herein. This Release does not purport to establish a comparative quality or value rating for this product as compared to standard products normally used in the same manner.

This Materials Release cannot be used as an indication of endorsement or approval by HUD of the described product, and any statement or representation, however made, indicating such approval or endorsement by HUD is unauthorized. See Code 18, U.S.C. 709.

Any reproduction of this Release must be in its entirety.

USE:

Mason Bond F6200F is an adhesive used in masonry construction as an alternative to the Type M, N, O, and S portland cement/lime masonry mortar. It is used to bond concrete masonry units in plain (unreinforced), grouted or un-grouted, non-fire-resistance-rated masonry construction consisting of open and closed, hollow concrete masonry units (CMUs), complying with ASTM C 90, in bearing walls, non-load-bearing walls, retaining walls, and foundation stem walls and piers.

DESCRIPTION:

Mason Bond F6200F is a polyurethane-type adhesive. Mason Bond F6200F adhesive has an 18-month storage life when stored in unopened containers at temperatures between 65°F and 95°F (18°C and 35°C).

APPLICABLE STANDARD:

1. 2006 International Building Code® (IBC), International Code Council.
2. 2006 International Residential Code® (IRC), International Code Council.
3. ACI 530-05/ASCE 5/TMS 402, Building Code Requirements for Masonry Structures, American Concrete Institute.
4. ASTM C 55-03, Standard Specification for Concrete Brick, ASTM International.
5. ASTM C 90-03, Specification for Load-bearing Concrete Masonry Units, ASTM International.
6. ASTM C 129-00, Specification for Non-load-bearing Concrete Masonry Units, ASTM International
7. ASTM C 140-03, Test Method for Sampling and Testing Concrete Masonry Units and Related Units, ASTM International.
8. ASTM C 270-04, Specification for Mortar for Unit Masonry, ASTM International.
9. ASTM C 1072-00a, Standard Test Method for Measurement of Masonry Flexural Bond Strength, ASTM International.
10. ASTM C 1262-98, Standard Test Method for Evaluating the Freeze-Thaw Durability of Manufactured Concrete Masonry Units and Related Concrete Units, ASTM International.
11. ASTM C 1314-03b, Test Method for Compressive Strength of Masonry Prisms, ASTM International.
12. ASTM D 1084-97, Standard Test Methods for Viscosity of Adhesives, ASTM International.
13. ASTM D 1875-03, Standard Test Methods for Density of Adhesives in Fluid Form, ASTM International.
14. ASTM D 2294-96, Standard Test Methods for Creep Properties of Adhesives in Shear by Tension Loading (Metal-to-Metal), ASTM International.
15. ASTM D 5155-01, Standard Test Methods for Polyurethane Raw Materials: Determination of the Isocyanate Content of Aromatic Isocyanates, ASTM International.
16. ASTM E 72-02, Standard Test Methods of Conducting Strength Tests of Panels for Building Construction, ASTM International.
17. ASTM E 514-90, Standard Test Methods for Water Penetration and Leakage Through Masonry, ASTM International

18. ASTM E 518-03, Standard Test Methods for Flexural Bond Strength of Masonry, ASTM International.
19. ASTM E 1252-98, Standard Practice for General Techniques for Obtaining Infrared Spectra for Qualitative Analysis, ASTM International.
20. ASTM G 151-00, Practice for Exposing Nonmetallic Materials in Accelerated Test Devices That Use Laboratory Light Sources, ASTM International.
21. ASTM G 154-00a, Practice for Operating Fluorescent Light Apparatus for UV Exposure of Nonmetallic Materials, ASTM International.
22. TEK 10-2B (2005), Control Joints for Concrete Masonry Walls—Empirical Method, National Concrete Masonry Association.

DESIGN

Mason Bond F6200F adhesive with a seven-day cure is equivalent to Type M, N, O and S portland cement/lime masonry mortar. Mason Bond F6200F adhesive is applicable to masonry construction designed in accordance with the requirements of IRC Section R606, IBC Sections 2106 and 2107 (Allowable Stress Design), IBC Section 2108 (Strength Design of Masonry) or IBC Section 2109 (Empirical Design of Masonry), or the ACI 530-05/ASCE 5/TMS 402 Building Code Requirements for Masonry Structures, for use under either the IBC or IRC, as permitted in IBC Section 2109.1 and IRC Sections R404.1 and R606.1. Use of adhesive is limited to Seismic Design Categories A and B. Masonry walls constructed with Mason Bond F6200F adhesive must be designed in accordance with applicable codes as if the mortar is Type M, N, S or O portland cement/lime mortar. Walls with vertical control joints in accordance with TEK document 10-2B. A copy must be provided to the code official. Design must be in compliance with Section 2-2 of the ACI 530-05/ASCE 5-05/TMS 402-05 for masonry laid with Type M, N, S or O portland cement/lime mortar.

INSTALLATION:

Mason Bond F6200F shall be installed per Manufacturer's Installation Instructions.

PRODUCT CERTIFICATION AND IDENTIFICATION:

ITW TACC shall certify that Mason Bond F6200F conforms to the requirements of this MR and meets the applicable ASTM Standard mentioned above.
Progressive Engineering is the independent quality assurance agency that is contracted by ITW TACC to conduct unannounced inspections of the plant.

Each Mason Bond F6200F cartridge, as a minimum, shall be marked with the following information:

1. ITW TACC
2. Progressive Engineering seal/trademark
3. The manufacturer's conformance to this MR, including the MR Number
4. The date of manufacturing and expiration date

MANUFACTURING LOCATIONS:

The product covered under this MR will be produced at the following plant(s):

TW TACC Polyurethane Center
195 DeMille Road
Lapeer, MI 48446
(810) 245-2155
www.itwtacc.com

MANUFACTURER'S RESPONSIBILITIES:

Issuance of this Materials Release (MR) commits the manufacturer to fulfill, as a minimum, the following:

1. Produce, label and certify the material, product or system in strict accordance with the terms of this MR.

2. Provide necessary corrective action in a timely manner for all cases of justified complaint, poor performance or failure reported by HUD.

3. When requested, provide the FHA Standards, Office of Manufactured Housing Programs, HUD Headquarters, with a representative list of properties in which the material, product or system has been used, including complete addresses or descriptions of locations and dates of installation.

4. Inform HUD, in advance, of changes in production facilities, methods, design of the product, company name, ownership or mailing address.

5. If in the interval between the annual reviews of the QCM, significant changes are made to the product which would by definition revise the previously recognized facts, HUD will be informed within 30 days of formal implantations of these significant changes.

EVALUATION:

This MR shall be valid for a period of three years from the date of initial issuance or most recent renewal or revision, whichever is later. The holder of this MR shall apply for renewal or revision 90 days prior to the Review Date printed on this MR. Submittals for renewal or revision shall be sent to:

U. S. Department of Housing and Urban Development
FHA Standards, Office of Manufactured Housing Programs
451 Seventh Street, SW; Room 9168
Washington, DC 20410-8000

Appropriate User Fee shall be sent to:

U. S. Department of Housing and Urban Development
Miscellaneous Income – Technical Suitability of Products Fees
Bank of America
P. O. Box 198762
Atlanta, GA 30384-8762

The holder of this MR may apply for revision at any time prior to the Review Date. Minor revisions may be in the form of a supplement to this MR.

If the Department determines that a proposed renewal or supplement constitutes a revision, the appropriate User Fee for a revision will need to be submitted in accordance with the Code of Federal Regulations 24 CFR 200.934, "User Fee System for the Technical Suitability of Products Program," and current User Fee Schedule.

CANCELLATION:

Failure to apply for a renewal or revision shall constitute a basis for cancellation of the MR. HUD will notify the manufacturer that the MR may be canceled when:

1. conditions under which the document was issued have changed so as to affect production of, or to compromise the integrity of the accepted material, product, or system;

2. the manufacturer has changed its organizational form without notifying HUD; or,

3. manufacturer has not complied with responsibilities it assumed as a condition of HUD's acceptance.

However, before cancellation, HUD will give the manufacturer a written notice, of the specific reasons for cancellation, and the opportunity to present views on why the MR should not be canceled. No refund of fees will be made on a canceled document.

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This Materials Release is issued solely for the captioned firm and is not transferable to any person or successor entity.

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