



Rick D. Chandler, PE
Commissioner

August 22, 2018

Mariya Zarankina, RA,
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Ben Barrette
LP Building Products
414 Union St. Suite 2000
Nashville TN 37219

280 Broadway, 7th Floor
OTCR Division
New York, NY 10007

Re: Conditional Acceptance Letter for OTCR Submittal Code: # 29-18,
Material Acceptance application for material assessment of the LP
FlameBlock sheathing product

212 393-8051 tel

Ben Barrette,

Thank you for submitting the OTCR1 Material Acceptance application dated 03/23/2018 for the above referenced project evaluating LP® FlameBlock® sheathing. The application includes the following:

- **Material Description.** LP® FlameBlock® Fire-Rated OSB sheathing is a code-compliant oriented strand board (OSB) panel with a fire-resistant Pyrotite® treatment covering one or both sides. The Pyrotite treatment consists of a layer of fiberglass-reinforced magnesium oxide cement tightly bonded to the OSB surface. In addition to providing burn through resistance and a Class A Flame Spread rating, this layer reinforces the OSB substrate, resulting in full standard load/span ratings and shear design values for each thickness category. LP FlameBlock panels install with standard tools, methods and fasteners.
- **System Description.** LP® FlameBlock® sheathing is a listed component of exterior and interior wall assemblies –the product is limited to load bearing applications, with the exception of roof deck application. These assemblies can improve construction timelines and reduce labor costs by eliminating the time required to install a layer of external gypsum.
In addition, wall assemblies that utilize LP® FlameBlock® sheathing reduce dead load and wall thickness versus common alternatives and provide substrate for securely fastening exterior cladding.
- **Supporting Documents.**
 1. OTCR 1 application.
 2. LP FlameBlock all applications brochure English
 3. LP FlameBlock technical guide English
 4. UL Design No. U350 2-Hour Interior Wall Assembly
 5. Engineering Evaluation UL U350 Townhouse Party Wall and U338 Attic Fire Separation Staggered and Matching Floor Height
 6. STC Test Report UL Design No. U350 with LP FlameBlock Installed Between the Stud Walls Updated December, 2010

7. STC Test Report UL Design No. U350 with LP FlameBlock Installed on Living Space Side of Stud Walls Updated December, 2010
8. Design No. U348 BXUV.U348 Fire-resistance Ratings - ANSI/UL 263
9. 1 hour wall assembly interek design no lpb wpps 60-01 rated from both sides English
10. 2 hour exterior wall assembly UL design no U349 rated from inside only English
11. 2 hour exterior wall assembly UL design no W408 English
12. 2 hour interior wall assembly UL design no U350 English
13. ASTM E 84 UL 723 FlameBlock Spread Test Report English
14. UL Design No. V311 Exterior Wall Assembly Updated April, 2015
15. Historical info/past projects - Flameblock Projects for OTCR
16. Email: RE DOB OTCR 1 Applications #29-18 - Research phase questions weather-resistive barrier
17. FDNY Letter of No Objection (FP Index No. 1806101A) dated August 16, 2018.

The NYC Construction Codes requires exterior walls to comply with the following sections; Chapter 14 (exterior wall requirements), Chapter 7 (fire resistance and sound insulating), Chapter 8 (interior finishes), Chapter 12 (sound transmission), and Chapter 23 (for wood products). OTCR evaluated the LP FlameBlock sheathing for compliance with the above sections. We determined that the LP FlameBlock sheathing will comply with all applicable code sections. Therefore, the LP FlameBlock sheathing is recognized for use in the NYC Construction Codes and may be used as prescribed, including the following:

1. Requirement Prior to Permit

- a. **Construction permit.** Obtain permit for all applicable work.

2. Requirements Prior to Signoff

- a. **Installation.** Installation of the LP FlameBlock sheathing shall be in accordance with:
 - i. Approved plans
 - ii. Fire resistance rating listing issued in accordance with ASTM E 119 or UL 263.
 - iii. Flame spread and smoke developed listing issued in accordance with ASTM E 84 when exposed to the interior environment.
 - iv. Comply with BC 1403 weather protection requirements.
- b. **Inspections:**
 - i. **Special Inspections.** If applicable, all associated special inspections shall be performed in accordance with the NYC Construction Codes. Provide proof of final TR1 signoff of applicable inspections.
 - ii. Fire-resistance-rated construction inspection. The Fire resistance-rated assemblies must be in compliance with BC 110.3.4.



- c. **FDNY Requirements.** Provide proof of satisfactory compliance with all conditions listed in the FDNY Letter of No Objection (FP Index No. 1806101A) dated August 16, 2018. Comply with "OTCR Final Acceptance Letter" condition below.

In the event of non-compliance with any of the requirements listed above or unresolved system failure during operation, the LP® FlameBlock® sheathing will be required to be removed at the owner's expense. An audit may be performed to verify compliance.

This OTCR Conditional Acceptance Letter only addresses material acceptance. Project approval must be obtained from the Department of Buildings through the required application process. Please refer to the above referenced OTCR Submittal Code in any future correspondence.

Regards,

A handwritten signature in blue ink, appearing to read "Mariya Zarankina", with a horizontal line extending to the right.

Mariya Zarankina, RA, LEED Green Associate
Code Development Architect

Cc: Alan Price, PE, Director, OTCR, DOB