

**ASTM E136 TESTING  
FOR  
LUMBERCON LLC  
ON  
PRECAST CONCRETE PLANK  
VTEC #100-8193  
TESTED: AUGUST 31, 2024**



# VTEC Laboratories Inc.

August 5, 2024

**Client:** LumberCon LLC  
3510 West Main St  
Belleville, PA 17004

**Attn:** Ken Baur VP of Engineering

**Scope:**

This report contains the reference to the test method, conditioning of sample, description of material, and test results.

**Test Method:**

This test was conducted in accordance with ASTM E136, "Standard Test Method for Behavior of Materials in a Vertical Tube Furnace at 750°C".

**Passing Criteria:**

At least three of the four specimens tested exhibit:

1. Less than 50% weight loss
2. No flaming after the first 30 seconds
3. The recorded temperatures of the surface and interior thermocouples do not at any time during the test rise more than 30°C above the stabilized temperature of the furnace.

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**Material Tested:**

- 1) Supplier: LumberCon LLC
- 2) Product Description: LumberCon LC-FT 100 Precast Concrete Plank
- 3) Specimen Dimensions: 1.5" x 1.5" x 2"
- 4) Specimen Composition: Heterogeneous
- 4) Color: Grey
- 5) Conditioning: The specimens were conditioned according to the ASTM E136 specification.

**Results:**

Sample #	Weight Before (grams)	Weight After (grams)	Final Center Temperature (deg.C)	Final Surface Temperature (deg.C)	Weight Loss (percent)	Flaming After First 30 Seconds?
1	105.9	92.0	652	751	13%	No
2	101.8	89.3	656	752	12%	No
3	111.4	100.3	657	751	10%	No
4	101.3	90.1	658	751	11%	No
<b>Average:</b>	<b>105.1</b>	<b>92.9</b>	<b>655.9</b>	<b>751.3</b>	<b>12%</b>	

**Conclusion:**

The samples provided met all passing criteria as specified by ASTM E136.



Neil Schultz  
Executive Director



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Technical Director