ASTM E136 TESTING
FOR
AMBIENT
ON
MAGPANEL MGO ½" SAMPLES
VTEC #100-8804
TESTED: DECEMBER 17, 2025

VTEC Laboratories Inc.

December 18, 2025

Client: Magpanel / Ambient
1440 Desoto Rd
Baltimore, MD 21230

Attn: Testing Coordinator

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: Magpanel MGO / Ambient
2) Product Description: Magpanel MGO 1/2" Samples
3) Specimen Dimensions: 4 pieces 1.5” x 1.5” x 0.5” stacked
4) Specimen Composition: Heterogeneous
4) Color: White
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	81.7	55.6	690	751	32%	No
2	81.0	55.4	653	751	32%	No
3	81.6	55.9	652	749	32%	No
4	81.9	56.0	671	750	32%	No
Average:	**81.6**	**55.7**	**666.7**	**750.2**	32%	

Conclusion:

In accordance with ASTM E136 criteria, the material PASSES and is verified as non-combustible; this also directly satisfies 2015 IBC Section 703.5.1 requirements

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Neil Schultz
Executive Director

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Amirudin Rahim
Technical Director