

DRAFT

**MODIFIED ASTM E136 TESTING
FOR
ARCHATRAK INC.
ON
BLACK COATED STEEL IDENTIFIED AS MATERIAL FROM ARCHATRAK
'INCENDIO' PEDESTALS
VTEC #100-8088-3
TESTED: JUNE 14, 2024**



VTEC Laboratories Inc.

June 18, 2024

Client: Archatrak Inc.
1288 North 14th Ave Unit 105
Bozeman, MT 59715

Attention: Alex Maier

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: Archatrak Inc.
- 2) Product Description: Black Coated Steel identified as material from Archatrak 'Incendio' pedestals.
- 3) Specimen Dimensions: 1.5" x 2" x 0.08"
- 4) Specimen Composition: Heterogeneous
- 4) Color: Black
- 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	29.7	29.6	752	750	0%	No
2	31.7	31.6	751	748	0%	No
3	28.2	28.0	750	751	1%	No
4	34.0	33.9	735	751	0%	No
Average:	30.9	30.8	747.0	750.0	0%	

Conclusion:

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



Neil Schultz
Executive Director



Amirudin Rahim
Technical Director

Modification: Samples tested were 1.5" x 2" x 0.08" instead of the standard 1.5"x1.5"x2" sizes.