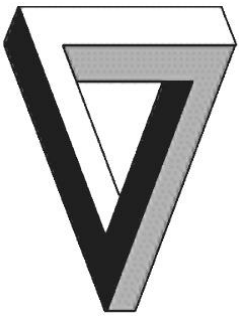


**ASTM E648 TESTING
FOR
TREDSAFE
ON
TREDSAFE DIAMOND TRED INSERT
VTEC #100-8042-1
TESTED: APRIL 16, 2024**



VTEC Laboratories Inc.

April 16, 2024

Client: Tredsafe
25 Akatea Road,
Glendene , Auckland
New Zealand

Attention: Rohit Ahire

SUBJECT:

Standard Test Method for Critical Radiant Flux of Floor-Covering Systems Using a Radiant Heat Energy Source according to ASTM E648 specification.

DISCLAIMER:

This is a factual report of the results obtained from the laboratory test of sample products. The results may be applied only to the products tested and should not be construed as applicable to other similar products of the manufacturer. The report is not a recommendation or a disapprobation by VTEC Laboratories Inc., of the material tested. While this report may be used for obtaining product acceptance, it may not be used in advertising.

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Material Tested:

1) Product Description:	Tredsafe Diamond Tred Insert
2) Supplier:	Tredsafe
3) Specimen Composition:	Homogeneous
4) Average Thickness:	0.1 in.
5) Color:	Black
6) Method of Mounting:	Cement Board Backing
7) Flux Profile Date:	4/16/24


Test Results:

	Sample #1	Sample #2	Sample #3
1) Specimen preheat Time (mins)	5:00	5:00	5:00
2) Total Burn Length (cm)	26	21	23
3) Time to Maximum Burn Length (mins)	12:20	11:28	11:52
4) <u>Critical Radiant Flux (w/cm²)</u>	0.81	0.93	0.88
5) Average Critical Radiant Flux (w/cm ²)	0.88		
6) Standard Deviation	0.062		
7) Coefficient of Variation (%)	7.12%		

Observations: No premature ignition during the initial 5 minute heating period, some melting and shrinking, no blistering or delamination.



Neil Schultz
Executive Director



Amirudin Rahim
Technical Director