

**ASTM E648 TESTING  
FOR  
TREDSAFE  
ON  
DT056 PVC TRIM  
VTEC #100-8042-2  
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:**

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**Material Tested:**

1) Product Description:	DT056 PVC Trim
2) Supplier:	Tredsafe
3) Specimen Composition:	Heterogeneous
4) Average Thickness:	0.11 in.
5) Color:	White
6) Method of Mounting:	Cement Board Backing
7) Flux Profile Date:	4/16/24

**Test Results:**

	<b>Sample #1</b>	<b>Sample #2</b>	<b>Sample #3</b>
1) Specimen preheat Time (mins)	5:00	5:00	5:00
2) Total Burn Length (cm)	46	50	48
3) Time to Maximum Burn Length (mins)	11:46	12:21	11:53
4) <u>Critical Radiant Flux (w/cm<sup>2</sup>)</u>	<b>0.42</b>	<b>0.35</b>	<b>0.38</b>
5) Average Critical Radiant Flux (w/cm <sup>2</sup> )	0.38		
6) Standard Deviation	0.035		
7) Coefficient of Variation (%)	9.16%		

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



Neil Schultz  
Executive Director



Amirudin Rahim  
Technical Director