

Test Report No: HFT-CSR/4609-01/24-25	Date:07.04.2025
Lab Sample code:	HFT CSR- 4609
Name and Address of customer:	CEDAR DECOR PVT.LTD. 65/P/B, NEAR ASIAN TUBES ANKHOL, KADI Mahesana
Sample forwarding Letter No. and Date:	Request letter Dated: 17/03/2025
Date of receipt of sample:	18/03/2025
Sample Description	FRP LAMINATE
Method Description	EN 13501-1:2018 ; Fire classification of construction products and building elements - Part 1: Classification using data from reaction to fire tests. TEST: SINGLE BURNING ITEM TEST AS PER BS EN 13823:2020
Date of performance of test(s):	04.04.2025

TEST RESULTS

A. SINGLE BURNING ITEM TEST AS PER BS EN 13823:2020

Parameters	Specimen			Mean
	S-1	S-2	S-3	
FIGRA _{0.2MJ} (W/s)	117.32	114.63	116.83	116.26
FIGRA _{0.4MJ} (W/s)	117.39	114.91	116.97	116.42
THR _{600s} (MJ)	14.7	14.5	15.1	14.7
SMOGRA (m ² /s ²)	2.8	3.5	4	3.4
TSP _{600s}	26.51	27.05	28.13	27.13
LFS to edge	No	No	No	-
Flaming Droplet/ Particles ≥10s within the first 600 seconds (Yes/No)	No	No	No	-
Flaming Droplet/ Particles ≤10s within the first 600 seconds (Yes/No)	No	No	No	-
Time of Flaming, s	-	-	-	-
Occurrence of a surface flash (Yes/No)	No	No	No	-
Smoke not entering the hood during test, but flowing out of the trolley into the surrounding testing room (Yes/No)	No	No	No	-
Falling of parts of the specimen (Yes/No)	No	No	No	-
Development of gap in the corner (Failure of mutual fixing of backing boards) (Yes/No)	No	No	No	-
Early termination of test (Yes/No), if yes then specify reason	No	No	No	-
Occurrence of distortion or collapse of the specimen	No	No	No	-

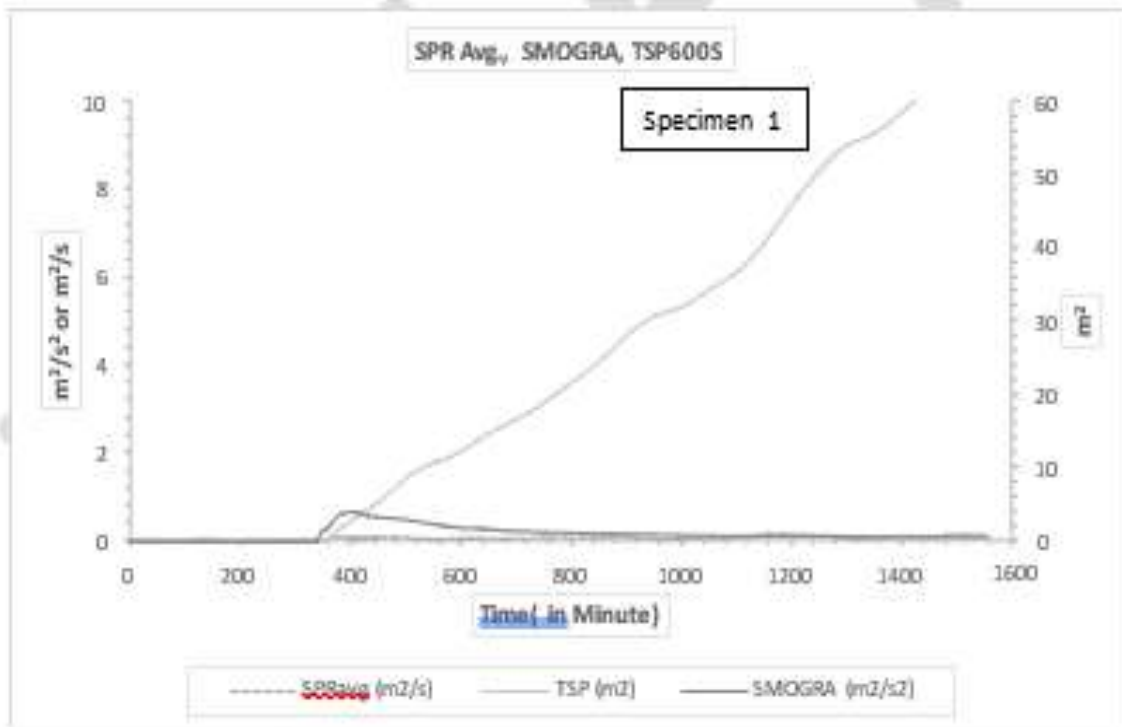
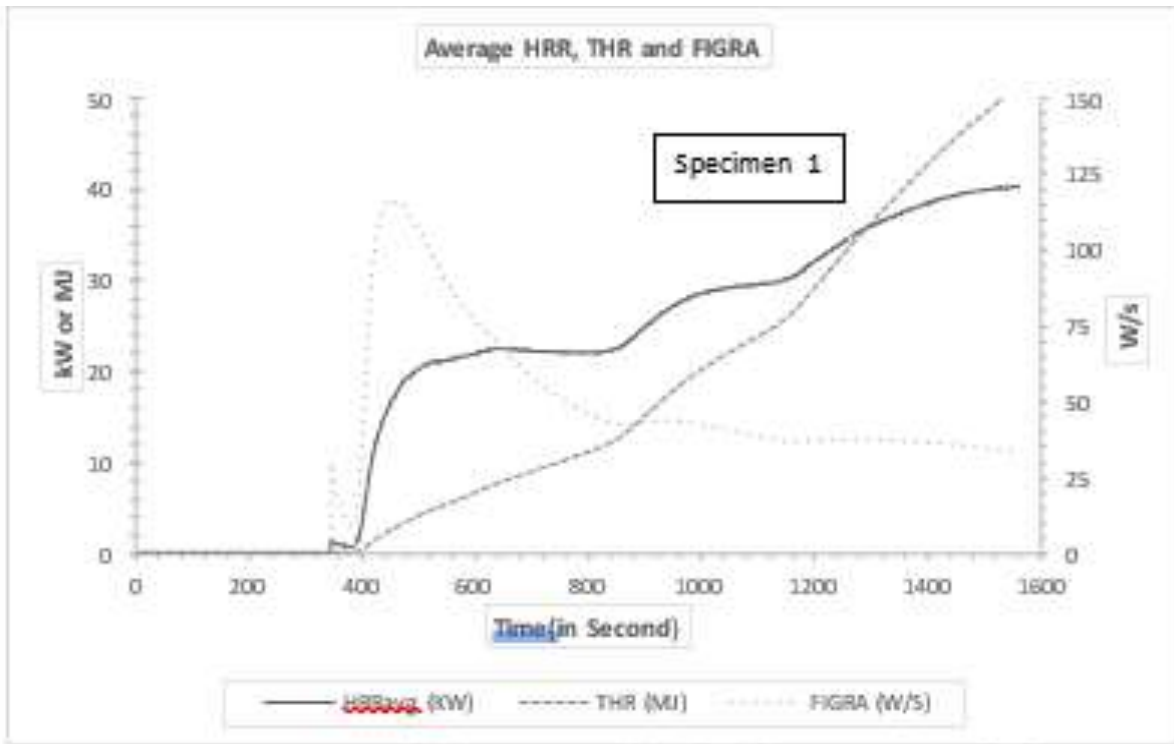
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Results observed:

Parameter	Requirements of B, s1, d0 Classof EN 13501-1:2018	Observed Results	Complied (Yes/No)
A. Single Burning Item Test			
FIGRA0.2MJ (W/s)	$\leq 120\text{W/s}$	116.26	Yes
THR600s (MJ)	$\leq 7.5\text{MJ}$	14.70	Yes
LFS to edge	No LFS to edge	NO	Yes
SMOGRA(m^2/s^2)	$\leq 30 \text{ m}^2/\text{s}^2$	3.40	Yes
TSP600s	$\leq 50 \text{ m}^2$	27.13	Yes
B. Ignitability Test (ISO 11925)			
Time taken by flame to reach 150mm Mark	No flame reached 150mm mark	No Flame reached 150mm mark	Yes

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Graphs:



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Photographs:



Sample Before Test



Sample Before Test



Sample After Test



Sample After Test

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