

Report No:	SLK/VIPL/2023/MSA1548A	Report date:	10/01/2024
Name & address of the client/customer	M/S VRITTI IMPEX PVT. LTD S.No: 86, Plot No: 6 & 7, Agra Road, Village Pundhe, Post: Atagoan, Tal: Shahpur-421601, Maharashtra, India	Sample ID	MSA1548A
		Type of Sample &	Super Form / Bendi/Flexible Plywood.
		Batch No:	No.01 NAFFR-17/12/23 (Soy based NAF resin used)
Sample collected by:	Party by courier	Date of sample Received	21/12/2023
Product Thickness:	5 mm Plywood FR Testing	Date start of Analysis	05/01/2024
Reference standard	EN13501-1 EN ISO 11925-2 BS EN 13823-2010 EN ISO:1182	Date of completion	10/01/2024
Fire class:	B s1 d0 Over all Density 441/Kgm ³		

Test result:

Test	Test Method	Parameter	No of test	Test result	
				Continues Parameter mean	Classification criteria / compliance
Non Combustibility	EN-ISO1182	$\Delta T, C$	5	21.1	Pass
		$\Delta M \%$		26.5	Pass
		$T_f, /Sec$		0	Pass
Determination of Heat of combustion	EN-ISO1716	PCS, MJ /kg	3	13.9	Pass
Small flame Test	EN-ISO11925-2	$F_s \leq 150mm$	6	-	Not reached
	Surface exposor application time 30s	Ignition of the ply/filter paper		-	Not ignited
	EN-ISO11925-2	$F_s \leq 150mm$	6	-	Not reached
	Edge exposor application time 30s	Ignition of the ply/filter paper		-	Not ignited
Single burning item test (SBI)	BS-EN13823-2010	FIGRA 0.2MJ (W/S)	3	49.0	Pass
		FIGRA 0.4MJ (W/S)		69.5	
		LFS< Edge		-	
		THR 600s (MJ)	3	5.85	Pass
		SMOGR (M ² / S ²)		13.57	
		TSP 600s (MJ)	3	24.88	Pass
		Flaming droplets particles	3	--	None

Fire classification:

General Classification	B
Additional classification in relation to smoke production	S1
Additional classification in relation to flaming droplets / particles	d0

This classification conducted in accordance clause 11 of the test method EN 13501-1+A1-2009.

Note: The test result relate to the behaviour of the specimen of a product under the particular condition of

The test. They are not intended to be the sole criterion for Assessing the potential fire hazard of the product in use where.

Conclusion: Reaction to fire classification- None

Remarks: The sample is not confirming to fire class A1, A2, A1_n & A2_n.

For SKYLAB ANALYTICAL LABORATORY

AUTHORISED SIGNATORY



ΔT,	:	Temperature Rise °C
ΔM	:	Mass Loss %
Tf, /Sec	:	Duration of sustained flaming (seconds)
PCS	:	Grass calorific potential (MJ/kg)
Fs	:	Flame spread (mm)
FIGRA 0.2 MJ	:	Fire growth rate index at THR threshold of 0.2 MJ
FIGRA 0.4 MJ	:	Fire growth rate index at THR threshold of 0.4 MJ
THR	:	Total heat release
THR 600s	:	Total heat release within 600 second (MJ)
SMOGRA	:	SMOKE GROWTH RATE (M ² / S ²)
TSP 600S	:	Total smoke production within 600s (M ²)
LSF	:	Located flame spread (m)