



UNIQUE TEST HOUSE

QUALITY PEOPLE FOR QUALITY ENTERPRISES



Opp. Wockhardt, Near Govt. School, Village SARSINI,
P.O. LALRU, Tehsil Dera Bassi, Distt. MOHALI (Pb.)

Mobile : 93160-24001, 93160-24005
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TEST REPORT	
DISCIPLINE- MECHANICAL / GROUP-WOOD & WOOD PRODUCTS	
CUSTOMER ADDRESS:	Customer Ref No.---- Dated: 04/05/2024
M/S ROYALE TOUCHE INDUSTRIES PRIVATE LIMITED SURVEY NO. 2604, VILLAGE-DANGARVA, TALUKA-KADI, DIST.- MEHSANA, PIN CODE-384450.	Test Report: Test Method as per IS -5509:2021 Amendment-nil
PART-A. PARTICULARS OF SAMPLE SUBMITTED	
REPORT NO:-A2405158	DATED 28 JUNE 2024
ULR NO.- TC561624000001047F	
a) NATURE OF SAMPLE	FIRE RETARDANT PLYWOOD
b) GRADE/VARIETY/TYPE/CLASS/SIZE	2440 X 1220 X 19 mm / Grade- BWR
c) DECLARED VALUE IF ANY	Type of Treatment - Type-4
d) CODE
e) BATCH NO./DATE OF MANUFACTURE
f) QUANTITY	1 Pc.
g) DATE OF RECEIPT	31/05/2024
h) BIS SEAL	INTACT/ NOT INTACT / NOT SEALED
i) IO's Signature	Signed / Unsigned
j) Any other Information / Expiry date, if any	BRAND NAME- ROYALE TOUCHE PRO MAXX
k) DATE OF COMMENCEMENT OF TESTING	3/6/2024
l) DATE OF COMPLETION OF TESTING	27/6/2024
PART-B SUPPLEMENTARY INFORMATION	
a) Reference to sampling procedure wherever applicable :	N-A
b) Supporting documents for the measurements taken and results derived like graphs, tables, sketches and or photographs, as appropriate to test report, if any (To be attached)	N-A
c) Deviation from the test methods as prescribed in relevant ISS, Work instructions if any	N-A
(Signature) Sonika Kapoor Sample Cell	(Signature) Sanjeev Kumar Testing Personnel
(Signature) Amit Sharma Authorized Signatory	

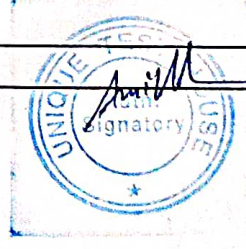
PART C TEST RESULTS

IS : 5509 -2021

REPORT NO. -A2405158

S.NO	CL.NO.	TESTS	VALUE AS PER SPECIFICATION	RESULT/OBSERVATION
1	8	NOMINAL THICKNESS	19 mm ± 5%	18.95 to 19.07
2	8	LENGTH	2440 +6/-0 mm	2442
3	8	WIDTH	1220 +3/-0 mm	1221 to 1222
4	8	SQUARENESS	0.2% Max.	0.10
5	8	EDGE STRAIGHTNESS	0.2% Max.	0.05
6	9	WORKMANSHIP AND FINISH	The Finished Plywood shall be reasonably Clean to Handle & Free of Dirt & stain other than any uniform colour of the flame retardant solution.	Satisfactory
7	12.1	MOISTURE CONTENT	20 % Max.	8.61
8	12.1	FLAMMABILITY	Tested in accordance with 3 of IS 1734(PT-3) for flammability,the time taken for the second ignition shall not be less than 30 minute.	35
9	12.1	FLAME PENETRATION	Tested in accordance with 4 of IS 1734 (PT -3) the time taken for flame penetration shall not be less than 15 minute. for every 6 mm thickness.	52
10	12.1	RATE OF BURNING	Tested in accordance with 5 of IS 1734 (PT- 3) the time taken to lose weight from 30 % to 70% shall not be less than 20 minute.	23
11	12.2	WATER RESISTANCE TEST (as per BWR grade of IS 303:1989)	SHALL PASS STANDARD	Pass Standard

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PART C TEST RESULTS

IS : 5509 -2021

REPORT NO. -A2405158

12	12.2	STATIC BENDING TEST (as per BWR grade of IS 303:1989)		
		MOE (IN DIRECTION PARLLEL TO GRAIN DIRECTION) N/mm ² min.		
		AVERAGE	5000	6576
		MINIMUM INDIVIDUAL	4500	6350
		MOR (IN DIRECTION PARLLEL TO GRAIN DIRECTION)N/mm ² min		
		AVERAGE	40	42
		MINIMUM INDIVIDUAL	36	39
		STATIC BENDING TEST		
		MOE (IN DIRECTION PERPENDICULAR TO GRAIN DIRECTION)N/mm ² min		
		AVERAGE	2500	5829
		MINIMUM INDIVIDUAL	2200	5427
		MOR (IN DIRECTION PERPENDICULAR TO GRAIN DIRECTION)N/mm ² min		
		AVERAGE	20	55
		MINIMUM INDIVIDUAL	18	46

PART D ; Remark -

 TESTED BY	 AUTHORIZED SIGNATORY
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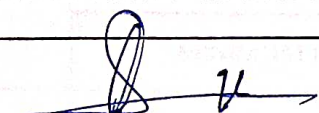
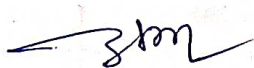
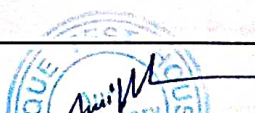
TC-5616

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TEST REPORT

DISCIPLINE- MECHANICAL / GROUP-WOOD & WOOD PRODUCTS

CUSTOMER ADDRESS:		Customer Ref No.-----	Dated: 04/05/2024
M/S ROYALE TOUCHE INDUSTRIES PRIVATE LIMITED SURVEY NO. 2604, VILLAGE-DANGARVA, TALUKA-KADI, DIST.- MEHSANA, PIN CODE-384450.		Test Report: AS PER IS -710:2010 Amendment- Nil	
PART-A. PARTICULARS OF SAMPLE SUBMITTED			
REPORT NO:-A2405159 & B2405109		DATED 28 JUNE 2024	
ULR NO- TC561624000001048F			
a	NATURE OF SAMPLE	MARINE PLYWOOD	
b	GRADE/VARIETY/TYPE/CLASS/SIZE	BWP/2440 X 1220 X 19 MM	
c	DECLARED VALUE IF ANY	TREATMENT-PRESERVATIVE ACC	
d	CODE	
e	BATCH NO./YEAR OF MANUFACTURE	
f	QUANTITY	01 PC.	
g	DATE OF RECEIPT	31/05/2024	
h	BIS SEAL	INTACT/ NOT INTACT / NOT SEALED	
i	IO's Signature	Signed / Unsigned	
j	Any other Information / Expiry date, if any	BRAND NAME- ROYALE TOUCHE PRO MAXX	
k	DATE OF COMMENCEMENT OF TESTING	3/6/2024	
l	DATE OF COMPLETION OF TESTING	28/6/2024	
PART-B SUPPLEMENTARY INFORMATION			
a) Reference to sampling procedure wherever applicable :			
b) Supporting documents for the measurements taken and results derived like graphs, tables, sketches and or photographs, as appropriate to test report, if any (To be attached)			
c) Deviation from the test methods as prescribed in relevant ISS, Work instructions if any			
 (Signature) Sonika Kapoor Sample Cell		 (Signature) Sanjeev Kumar Testing Personnel	
		 (Signature) Amit Sharma Authorized Signatory	

PART C TEST RESULTS		IS:710-2010	REPORT NO. A2405159 & B2405109	
S.NO	CL.NO.	TESTS	VALUE AS PER SPECIFICATION	RESULT/OBSERVATION
1	7	WORKMANSHIP AND FINISH		SATISFACTORY
2	6	NOMINAL THICKNESS	19 mm ± 5%	18.75 to 19.06
3	6	LENGTH	2440 +6/-0 mm	2442
4	6	WIDTH	1220 +3/-0 mm	1222
5	6	SQUARENESS	0.2% Max.	0.10%
6	6	EDGE STRAIGHTNESS	0.2% Max.	0.05%
7	9.1.1	MOISTURE CONTENT	5-15%	8.97%
8	9.1.2	GLUE ADHESION IN DRY STATE		
		AVERAGE	1350 N Min.	1443
		MINIMUM INDIVIDUAL	1100 N Min.	1127
		ADHESION OF PLYS	Min.Pass standard	PASS STANDARD
9	9.1.3	WATER RESISTANCE TEST		
		AVERAGE	1000 N Min.	1063
		MINIMUM INDIVIDUAL	800 N Min.	877
		ADHESION OF PLYS	Min.Pass standard	PASS STANDARD
10	9.1.5	MYCOLOGICAL TEST		
		SEPARATION AT THE EDGES	SHOW NO SIGN OF SEPARATION	NO SEPARATION OBSERVED
		AVERAGE	1000 N Min.	1036
		MINIMUM INDIVIDUAL	800 N Min.	853
		ADHESION OF PLYS	Min.Pass standard	PASS STANDARD

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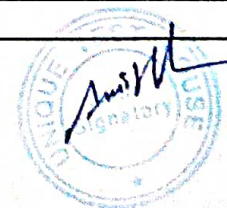
PART C TEST RESULTS

IS:710-2010

REPORT NO. A2405159 & B2405109

S.NO	CL.NO.	TESTS	VALUE AS PER SPECIFICATION	RESULT/OBSERVATION
11	9.1.4	TENSILE STRENGTH		
		PARALLEL TO GRAIN DIRECTION OF FACE VENEER	42.0 N/mm ² Min.	47.46
		PREPENDICULAR TO GRAIN DIRECTION OF FACE VENEER	25.0 N/mm ² Min.	39.98
		SUM OF TENSILE STRENGTH	84.5 N/mm ² Min.	87.44
12	9.1.6	STATIC BENDING TEST		
		MOE (IN DIRECTION PARLLEL TO GRAIN DIRECTION)		
		AVERAGE	7500 N/mm ² Min.	8034
		MINIMUM INDIVIDUAL	6700 N/mm ² Min.	8018
		MOR (IN DIRECTION PARLLEL TO GRAIN DIRECTION)		
		AVERAGE	50 N/mm ² Min.	53
		MINIMUM INDIVIDUAL	45 N/mm ² Min.	51
	9.1.6	STATIC BENDING TEST		
		MOE (IN DIRECTION PERPENDICULAR TO GRAIN DIRECTION)		
		AVERAGE	4000 N/mm ² Min.	6591
		MINIMUM INDIVIDUAL	3600 N/mm ² Min.	6222
		MOR (IN DIRECTION PERPENDICULAR TO GRAIN DIRECTION)		
		AVERAGE	30 N/mm ² Min.	58
		MINIMUM INDIVIDUAL	27 N/mm ² Min.	56

gm



PART C TEST RESULTS

IS:710-2010

REPORT NO. A2405159 & B2405109

S.NO	CL.NO.	TESTS	VALUE AS PER SPECIFICATION	RESULT/OBSERVATION	
13	9.1.7	WET BENDING TEST			
		MOE (IN DIRECTION PARALLEL TO GRAIN DIRECTION)			
		AVERAGE	3750 N/mm ² Min.	5613	
		MINIMUM INDIVIDUAL	3400 N/mm ² Min.	5421	
		MOR (IN DIRECTION PARALLEL TO GRAIN DIRECTION)			
		AVERAGE	25 N/mm ² Min.	35	
		MINIMUM INDIVIDUAL	22 N/mm ² Min.	28	
	9.1.7	WET BENDING TEST			
		MOE (IN DIRECTION PERPENDICULAR TO GRAIN DIRECTION)			
		AVERAGE	2000 N/mm ² Min.	4257	
		MINIMUM INDIVIDUAL	1800 N/mm ² Min.	4093	
		MOR (IN DIRECTION PERPENDICULAR TO GRAIN DIRECTION)			
		AVERAGE	15 N/mm ² Min.	37	
		MINIMUM INDIVIDUAL	13 N/mm ² Min.	28	
14	9.1.8	PRESERVATIVE CHEMICAL			
		TOTAL RETENTION OBTAINED	12 kg/m ³	13.99	


TESTED BY


AUTHORISED SIGNATORY



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TEST REPORT

DISCIPLINE- MECHANICAL / GROUP-WOOD & WOOD PRODUCTS

CUSTOMER ADDRESS:

M/S ROYALE TOUCHE INDUSTRIES PRIVATE LIMITED
SURVEY NO. 2604, VILLAGE-DANGARVA,
TALUKA-KADI, DIST.- MEHSANA, PIN CODE-384450.

Customer Ref No.----

Dated: 04/05/2024

Test Report:
Test Method as per IS -1659:2024
with upto date Amendment

PART-A. PARTICULARS OF SAMPLE SUBMITTED

REPORT NO:-A2405160

ULR NO.- TC561624000001049F

DATED 28 JUNE 2024

a	NATURE OF SAMPLE	BLOCK BOARDS
b	GRADE/VARIETY/TYPE/CLASS/SIZE	BWP/COM/ 2440 X 1220 X 19 mm
c	DECLARED VALUE IF ANY	Treatment -BORIC ACID
d	CODE
e	BATCH NO./DATE OF MANUFACTURE
f	QUANTITY	1 Pc.
g	DATE OF RECEIPT	31/05/2024
h	BIS SEAL	INTACT/ NOT INTACT / NOT SEALED
i	IO's Signature	Signed / Unsigned
j	Any other Information / Expiry date, if any	BRAND NAME- ROYALE TOUCHE PRO MAXX BLOCK BOARD
k	DATE OF COMMENCEMENT OF TESTING	3/6/2024
l	DATE OF COMPLETION OF TESTING	27/6/2024

PART-B

SUPPLEMENTARY INFORMATION

- a) Reference to sampling procedure wherever applicable : N-A
- b) Supporting documents for the measurements taken and results derived like graphs, tables, sketches and or photographs, as appropriate to test report, if any (To be attached) N-A
- c) Deviation from the test methods as prescribed in relevant ISS, Work instructions if any N-A

(Signature) Sonika Kapoor
Sample Cell

(Signature) Sanjeev Kumar
Testing Personnel

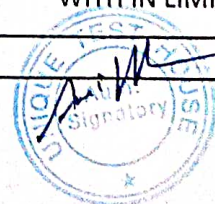
(Signature) Amit Sharma
Authorized Signatory

PART C TEST RESULTS

IS:1659-2004

REPORT NO. -A2405160

S.NO	CL.NO.	TESTS	VALUE AS PER SPECIFICATION	RESULT/OBSERVATION
1	4	GRADE AND TYPES		BWP-COM
2	6.3.3	SURFACE DEFECT	TYPE OF SURFACE	
			A B	
		BLISTER	NIL NIL	Nil
		CHECKS	Individual <50 mm/m ²	Individual <100 mm/m ²
			Total < 300 mm/m ²	Total < 1000 mm/m ²
		DISCOLOURATION	NIL 5%	Nil
		DOTS	5 cm/m ² 15cm/m ²	Nil
		INSECTS HOLES scattered	upto 12 holes/m ² upto 24 holes/m ²	Nil
		JOINTS	one joint No restriction	Nil
		KNOTS (DEAD)	2upto 12 dia/m ² 4upto 20 dia/m ²	Nil
		PIN KNOTS(LIVE)	NO RESTRICTION	SATISFACTORY
		PIN KNOTS(DEAD)	2 /m ² 6/m ²	Nil
		KNOTS(TIGHT)	6upto 25 mmdia/m ² NO RESTRICTION	Nil
		SPLITS	2 Splits 3 Splits	Nil
		SWIRL	Unlimited No restriction	SATISFACTORY
		PATCHES	4 /m ² ANY NUMBER	Nil
3	7.3	NOMINAL THICKNESS	19 mm ± 5%	19.69 to 19.92
4	7.3	VARIATION IN THICKNESS	0.5 mm MAX.	0.23
5	7.3	LENGTH	2440 +6/-0 mm	2441 to 2442
6	7.3	WIDTH	1220 +3/-0 mm	1222
7	7.3	SQUARENESS	0.2% MAX.	0.13%
8	7.3	EDGE STRAIGHTNESS	0.2% MAX.	0.05%
9	9.2.2	RESISTANCE TO WATER (72 hrs Boiling in water)	SHALL BE MIN. PASS STANDARD	PASS STANDARD
10	9.2.3	ADHESION OF PLIES	SHALL BE MIN. PASS STANDARD	PASS STANDARD
11	9.2.4	MYCOLOGICAL TEST	NO VISIBLE SIGN OF SEPRATION AT EDGES	N/A
12	9.2.1	DIMENSIONAL CHANGES CAUSED BY HUMIDITY		
		THE DIMENSIONS SHALL NOT CHANGED MORE THAN	± 1 MM	WITH IN LIMIT
		DELEMINATION AT THE EXTREME RANGES OF HUMIDITY	NO DELAMINATION	No delamination observed
		THE CHANGE IN LOCAL PLANNESS	d/L<1/150	WITH IN LIMIT



PART C TEST RESULTS

IS:1659-2004

REPORT NO. -A2405160

S.NO	CL.NO.	TESTS	VALUE AS PER SPECIFICATION	RESULT/OBSERVATION
13	9.2.5	MOE (N/mm ²) MIN.		
		AVERAGE	5000	5806
		MINIMUM INDIVIDUAL	4200	5729
	9.2.5	MOR (N/mm ²) MIN.		
		AVERAGE	50	52
		MINIMUM INDIVIDUAL	42	50
14	9.2.6	SPOT TEST DETECTION OF BORON IN BORAX: BORIC ACID, CCB,BCCA	RED COLOUR SHOULD APPEAR	Satisfactory

PART D :REMARKS


TESTED BY


AUTHORISED SIGNATORY

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