



SHRIRAM INSTITUTE FOR INDUSTRIAL RESEARCH

(A unit of Shriram Scientific and Industrial Research Foundation)

19, University Road, Delhi – 110007 (India)
An ISO - 9001, 14001 & OHSAS 18001 Certified Institute

Website : www.shriraminstitute.org
E-mail id : customercare@shriraminstitute.org

TEST CERTIFICATE

NO : C1/0000257791

Issued To :

Client Code : (UDHA01B0797)	Date	: 15-06-2021
BALAJI ACTION BUILDWELL	Job No	: 2105-1-172-467
PLOT NO. C34 & C34(A) TO (D) AND C3 ELDECO	Booking No	: RG2122/1/844
SIDCUL INDUSTRIAL PARK, SITARGANJ	Booking Date	: 12-05-2021
UDHAM SINGH NAGAR	Customer Ref No.	: E MAIL
UTTARAKHAND-262405	Customer Ref Dt.	: 07-04-2021
Kind Attn: MR. SANDEEP MISHRA, SR. MGE (VENDOR DEVELOPMENT)		

ONE SAMPLE DESCRIBED AS LAMINATE FLOORING PLAIN 8 MM, TYPE AC 3, SHADE- MIX, WAS RECEIVED.

(The sampling was not carried out by Shriram Institute for Industrial Research. The sample particulars provided in certificate are based on declaration by the Customer).

2105-1-172-467

Test Results (AS PER IS: EN 13329-2016)

S.No	Tests	Observation	Requirements	Conformity	Method
1	Abrasion resistance test	Average I.P value 4100 (Confirm to class AC-3)	Average I.P Value ≥ 2000 (To confirm class AC-3)	Yes	EN-13329-2016
2	Density kg/m ³	886	-	-	IS:2380 (Part-3)/1977
3	GSM of Decorative paper, g/m ²	85	-	-	IS:1060 (Part-1)/1966 RA-2016
4	GSM of overlay paper g/m ²	39	-	-	IS:1060 (Part-1)/1966 RA-2016
5	Impact resistance test (large ball diameter)				EN-13329-2016
	i) Visual observation	No crack or damage observed	should not be any crack or damage	Yes	
	ii) Imprint diameter, mm	7	not greater than 10mm	Yes	

AUTHORISED SIGNATORY
EMPLOYEE CODE: (5121)



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6	Stain resistance test			EN-438-2016
	i) Acetone	No visible change observed	should not show any visible change	Yes
	ii) citric acid, 10% solution	No visible change observed	should not show any visible change	Yes
	iii) Coffee	No visible change observed	should not show any visible change	Yes
	iv) Hydrogen peroxide, 3% solution	No visible change observed	should not show any visible change	Yes
	v) Ammonia, 10 % solution	No visible change observed	should not show any visible change	Yes
	vi) Sodium hydroxide, 25 % solution	No visible change observed	should not show any visible change	Yes
	vii) Hydrogen peroxide, 30 % solution	No visible change observed	should not show any visible change	Yes
	viii) shoe polish	No visible change observed	should not show any visible change	Yes
	ix) Acetic acid, 30 % solution	No visible change observed	should not show any visible change	Yes
7	Resistance to cigarette burn	No visible change observed	should not show any visible change	EN-438-1992
8	Light fastness test	Greater than grey scale 4	≥ grey scale 4	EN-20105-1993

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9	Thickness swelling, %	14.4	≤ 18	Yes	EN-13329-2000
10	Static indentation test				EN-433-1994
	i) Visual observation	No visible change observed	Should not show any visible change	Yes	
	ii) Residual indentation test,mm	0.03	≤ 0.05	Yes	

Note-No requirement and conformity has been given on density test, GSM of decorative paper and GSM of overlay paper, since requirement value has not mentioned in EN 13329-2016.

D.O.R.:- 12.05.2021

D.O.C.:- 15.06.2021

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SIDCUL INDUSTRIAL PARK, SITARGANJ
UDHAM SINGH NAGAR
UTTARAKHAND-262405
Kind Attn: MR. SANDEEP MISHRA, SR. MGE
(VENDOR DEVELOPMENT)

Date : 15-06-2021
Job No : 2105-1-172-468
Booking No : RG2122/1/844
Booking Date : 12-05-2021
Customer Ref No. : E MAIL
Customer Ref Dt. : 07-04-2021

ONE SAMPLE DESCRIBED AS LAMINATE FLOORING PLAIN 8 MM, TYPE AC 4, SHADE- MIX, WAS RECEIVED.

(The sampling was not carried out by Shriram Institute for Industrial Research. The sample particulars provided in certificate are based on declaration by the Customer).

2105-1-172-468

Test Results (AS PER IS: EN 13329-2016)

S.No	Tests	Observation	Requirements	Conformity	Method
1	Abrasion resistance test	Average I.P value 8800 (Confirm to class AC-4)	Average I.P Value ≥ 4000 (To confirm class AC-4)	Yes	EN-13329-2016
2	Density kg/m ³	889	-	-	IS:2380 (Part-3)/1977
3	GSM of Decorative paper, g/m ²	83	-	-	IS:1060 (Part-1)/1966 RA-2016
4	GSM of overlay paper g/m ²	54	-	-	IS:1060 (Part-1)/1966 RA-2016
5	Impact resistance test (large ball diameter)				EN-13329-2016
	i) Visual observation	No crack or damage observed	should not be any crack or damage	Yes	
	ii) Imprint dia meter, mm	6	not greater than 10mm	Yes	

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6	Stain resistance test			Yes	EN-438-2016
	i) Acetone	No visible change observed	should not show any visible change	Yes	
	ii) citric acid, 10% solution	No visible change observed	should not show any visible change	Yes	
	iii) Coffee	No visible change observed	should not show any visible change	Yes	
	iv) Hydrogen peroxide, 3% solution	No visible change observed	should not show any visible change	Yes	
	v) Ammonia, 10 % solution	No visible change observed	should not show any visible change	Yes	
	vi) Sodium hydroxide, 25 % solution	No visible change observed	should not show any visible change	Yes	
	vii) Hydrogen peroxide, 30 % solution	No visible change observed	should not show any visible change	Yes	
	viii) shoe polish	No visible change observed	should not show any visible change	Yes	
	ix) Acetic acid, 30 % solution	No visible change observed	should not show any visible change	Yes	
7	Resistance to cigarette burn	No visible change observed	should not show any visible change	Yes	EN-438-1992
8	Light fastness test	Greater than grey scale 4	≥ grey scale 4	Yes	EN-20105-1993

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9	Thickness swelling, %	14.9	≤ 18	Yes	EN-13329-2000
10	Static indentation test				EN-433-1994
	i) Visual observation	No visible change observed	Should not show any visible change	Yes	
	ii) Residual indentation test,mm	0.04	≤ 0.05	Yes	

Note-No requirement and conformity has been given on density test, GSM of decorative paper and GSM of overlay paper, since requirement value has not mentioned in EN 13329-2016.

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SIDCUL INDUSTRIAL PARK, SITARGANJ	Booking Date	: 12-05-2021
UDHAM SINGH NAGAR	Customer Ref No.	: E MAIL
UTTARAKHAND-262405	Customer Ref Dt.	: 07-04-2021
Kind Attn: MR. SANDEEP MISHRA, SR. MGE (VENDOR DEVELOPMENT)		

ONE SAMPLE DESCRIBED AS LAMINATE FLOORING PLAIN 8 MM, TYPE AC 5, SHADE- MIX, WAS RECEIVED.

(The sampling was not carried out by Shriram Institute for Industrial Research. The sample particulars provided in certificate are based on declaration by the Customer).

2105-1-172-469

Test Results (AS PER IS: EN 13329-2016)

S.No	Tests	Observation	Requirements	Conformity	Method
1	Abrasion resistance test	Average I.P value 9600 (Confirm to class AC-5)	Average I.P Value \geq 6000 (To confirm class AC-5)	Yes	EN-13329-2016
2	Density kg/m ³	863	-	-	IS:2380 (Part-3)/1977
3	GSM of Decorative paper, g/m ²	72	-	-	IS:1060 (Part-1)/1966 RA-2016
4	GSM of overlay paper g/m ²	67	-	-	IS:1060 (Part-1)/1966 RA-2016
5	Impact resistance test (large ball diameter)				EN-13329-2016
	i) Visual observation	No crack or damage observed	should not be any crack or damage	Yes	
	ii) Imprint diameter, mm	7	not greater than 10mm	Yes	

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6	Stain resistance test				EN-438-2016
	i) Acetone	No visible change observed	should not show any visible change	Yes	
	ii) citric acid, 10% solution	No visible change observed	should not show any visible change	Yes	
	iii) Coffee	No visible change observed	should not show any visible change	Yes	
	iv) Hydrogen peroxide, 3% solution	No visible change observed	should not show any visible change	Yes	
	v) Ammonia, 10 % solution	No visible change observed	should not show any visible change	Yes	
	vi) Sodium hydroxide, 25 % solution	No visible change observed	should not show any visible change	Yes	
	vii) Hydrogen peroxide, 30 % solution	No visible change observed	should not show any visible change	Yes	
	viii) shoe polish	No visible change observed	should not show any visible change	Yes	
	ix) Acetic acid, 30 % solution	No visible change observed	should not show any visible change	Yes	
7	Resistance to cigarette burn	No visible change observed	should not show any visible change	Yes	EN-438-1992
8	Light fastness test	Greater than grey scale 4	≥ grey scale 4	Yes	EN-20105-1993

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9	Thickness swelling, %	16.9	≤ 18	Yes	EN-13329-2000
10	Static indentation test				EN-433-1994
	i) Visual observation	No visible change observed	Should not show any visible change	Yes	
	ii) Residual indentation test,mm	0.04	≤ 0.05	Yes	

Note-No requirement and conformity has been given on density test, GSM of decorative paper and GSM of overlay paper, since requirement value has not mentioned in EN 13329-2016.

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