

POWER DEKOR GROUP CO., LTD

TEST REPORT

SCOPE OF WORK

HSPC

REPORT NUMBER

200617001SHF-001-R1

TEST DATE(S)

2020-06-17 - 2020-07-07

ISSUE DATE

2020-07-07

REVISED DATE

2020-07-08

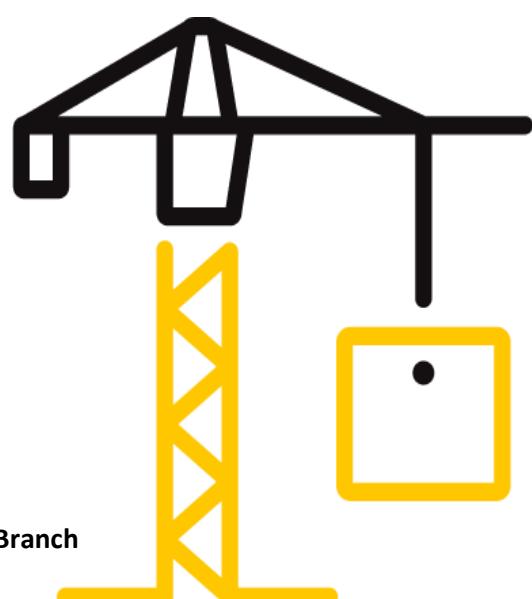
PAGES

6

DOCUMENT CONTROL NUMBER

LFT-APAC-SHF-OP-10k(May 1, 2020)

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Test Report

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Test Report

Issue Date: 2020-07-08 Intertek Report No. 200617001SHF-001-R1
 Applicant: POWER DEKOR GROUP CO., LTD
 Address: BUILDING NO.48, NO.1000 JINHAI RD., PUDONG DISTRICT, SHANGHAI 201206, P.R.CHINA
 Attn: Hui Zhang
 Test Type : Performance test, samples provided by the applicant.

Product Information

Product Name	HSPC	Brand	POWERDEKOR
Sample Description	Good condition	Sample Amount	3 pcs
		Received Date	2020-05-25
Sample ID	Model		Specification
S200617001SHF.001~002	/		1220*180*5mm

Test Methods And Standards

Test Standard	EN 13329:2016+A1:2017 Annex E, With reference to ISO 1518-1:2019
Specification Standard	/
Test Conclusion	The samples were tested according to the above standards, and the results are shown in the following page.

Note:

1. This report relates specifically to the sample(s) that were drawn and provided by the applicant or their nominated third party. The reported result(s) provide no warranty or verification on the sample(s) representing any specific goods and/or shipment and only relate to the sample(s) as received and tested.

Report Authorized

Name: Flora Fan



Name: Jackie Zhou

Title: Reviewer

Title: Project Engineer

Test Report

Issue Date: 2020-07-08

Intertek Report No. 200617001SHF-001-R1

Test Items, Method and Results:

Test Item: Abrasion/Wear resistance

Test Method: EN 13329:2016+A1:2017 Annex E

Conditioning: Condition the test specimens at $(23\pm2)^\circ\text{C}$ and $(50\pm5)\%$ relative humidity for at least 24h

Test Condition:

Rotation frequency: 60 r/min

Abrasive material: Taber S-42 abrasive paper strips

Load on each wheel: 500 g

Examine the test specimen for abrasion after each 100 r.

Renew the abrasive papers after every 200 r.

Test Result:

Parameter	Specimen 1	Specimen 2	Specimen 3
Initial wear point (IP) value, r	4600	4800	5200
Average IP value, r		4900	
Abrasion class		AC4	

Note:

1. The initial wear point (IP) is that point at which the first clearly recognizable wear-through of the print appears and the sub-layer becomes exposed in six out of 8 octants. The initial wear point is reached when there are areas of at least $1,00 \text{ mm}^2$ wear-through in five octants and an area of $1,00 \text{ mm}^2$ wear-through becomes visible in a sixth octant. The sub-layer for printed patterns is the background on which the pattern is printed. For plain colours, it is the first layer of different colour.

2. Abbreviation "r" = revolutions/cycles

Abrasion classes as per EN 13329:2016+A1:2017 Annex E

Abrasion class	AC1	AC2	AC3	AC4	AC5	AC6
Average IP-value from three test specimens	≥ 500	≥ 1000	≥ 2000	≥ 4000	≥ 6000	≥ 8500

Test Report

Issue Date: 2020-07-08

Intertek Report No. 200617001SHF-001-R1

Test Items, Method and Results:

Test Item: Scratch resistance

Test Method: With reference to ISO 1518-1:2019

Conditioning: Condition the test specimens at $(23 \pm 2)^\circ\text{C}$ and $(50 \pm 5)\%$ relative humidity for at least 16h

Test Condition:

Scratch stylus: Hemispherical hard-metal tip of radius $(0.5 \pm 0.01)\text{mm}$ Test speed: $(35 \pm 5) \text{ mm/s}$

Test Result:

Direction	Test Load(N)	Appearance
Horizontal	20	No visible scratch on the surface.
Vertical	20	Visible scratch on surface, no penetration to substrate.

Note:

1. Observation magnification is 4X.

Test photos:



After test (Horizontal)



After test (Vertical)

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Intertek Report No. 200617001SHF-001-R1

Appendix A: Sample Received Photo

Front View(Test surface)



Back View

Revision:

NO.	Date	Changes	Author	Reviewer
200617001SHF-001	2020-07-07	First issue	Jackie Zhou	Flora Fan
200617001SHF-001-R1	2020-07-08	Added abrasion class as per applicant's requirement	Jackie Zhou	Flora Fan

Note: Since the issue date of 200617001SHF-001-R1 report, the original report 200617001SHF-001 was cancelled at the same time.