



CERTIFICATIONS

# PRODUCT INFORMATION

## CERTIFICATIONS



## PRODUCT SUITABILITY

Wesflex Co.,Ltd. Flooring System Vinyl Collection is suitable for heavy commercial environment such as retail, leisure, health and education. With the principle of specialization, we have developed rapidly in the scale of distribution. Our raw materials and products are sorted and categorized with care to fit with different types of demand. We are indeed meant to fulfill our customers requests whatever it would be.

Notwithstanding the heterogeneity of our products, all of Wesflex's are manufactured under globally accepted standards as ISO 9001:2000 Quality management systems and ISO 14001 Environmental Management System.

SGS

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WESFLEX CO.,LTD THAILAND  
RUBBER AND PVC FLOORING  
LADPHAO RD. SOI 101 WANGTHONGLANG BANGKAP BANGKOK 10230

The following sample(s) was/were submitted and identified by the client as:

Sample Description : PLASTIC FLOOR

SGS Ref No. : SH000260067 (2)

Sample Receiving Date : DEC.09.2008

Testing Period : DEC.09.2008 to DEC.17.2008

Test Performed : SELECTED TEST(S) AS REQUESTED BY APPLICANT

Test Requested :

1. EN 425:2001 DETERMINATION OF RESISTANCE TO STAINING
2. EN 425:2002 EFFECT OF A GASTOR CHAIR
3. EN 427:1994 DETERMINATION OF THE SIDE LENGTH, SQUARENESS AND STRAIGHTNESS OF TILES
4. EN 428:1993 DETERMINATION OF OVERALL THICKNESS
5. EN 429:1993 DETERMINATION OF THE THICKNESS OF LAYERS
6. EN 430:1994 DETERMINATION OF MASS PER UNIT AREA
7. EN 431:1994 DETERMINING THE RESISTANCE AGAINST SEPARATION OF TWO LAYERS OF A RESILIENT FLOOR COVERING BY PEELING
8. EN 432:1994 DETERMINATION OF SHEAR FORCE
9. EN 433:1994 DETERMINATION OF RESIDUAL INDENTATION AFTER STATIC LOADING
10. EN 434:1994 DETERMINATION OF DIMENSIONAL STABILITY AND CURVING AFTER EXPOSURE TO HEAT
11. EN 435:1994 DETERMINATION OF FLEDBILITY
12. ISO105:IC03-2000 COLOR FASTNESS TO LIGHT
13. EN 1731:1994+A1:2000+AC:2000 MIGRATION OF CERTAIN ELEMENT

Test Result(s) : FOR FURTHER DETAILS, PLEASE REFER TO THE FOLLOWING PAGE(S)

Conclusion : THE TEST DATA WERE PROVIDED TO CLIENT FOR THEIR OWN ANALYSIS.

Signed for and on behalf of  
SGS-CSTC Co., Ltd.

William Cao  
Engineer

The hard copy of this (these) report(s) shall prevail in case of discrepancy between the hard copy and the soft copy.

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Test Conducted :

1. EN 425:2001 Determination of resistance to staining; 2. EN 425:2002 Effect of a castor chair;
3. EN 427:1994 Determination of the side length, squareness and straightness of tiles
4. EN 428:1993 Determination of overall thickness
5. EN 429:1993 Determination of the thickness of layers
6. EN 430:1994 Determination of mass per unit area
7. EN 431:1994 Determining the resistance against separation of two layers of a resilient floor covering by peeling
8. EN 432:1994 Determination of shear force
9. EN 433:1994 Determination of residual indentation after static loading
10. EN 434:1994 Determination of dimensional stability and curving after exposure to heat
11. EN 435:1994 Determination of flexibility
12. ISO105:IC03-2000 Color Fastness to Light
13. EN 1731:1994+A1:2000+AC:2000 Migration of Certain Element

Nominal dimension: /

Test result:

Test Property	Test Method	Test principles/requirements	Test Result
Determination of resistance to staining	EN 425:2001	Place the fabric on the surface of the test specimen and saturate it with 1ml to 2ml of the test liquid.  The main duration of contact shall be 2H. If a stain appears on the test piece after 2H, a new test shall be conducted for a period of 30 min.  Examine the residual staining.	(See Result 1)

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## PROTECTION

1. Protect the floor covering installation against dirt and other trades.
2. Do not allow traffic over the installation within 24 hours after installation.
3. Do not water-wash the floor thoroughly within 30 days after installation. Wipe the floor with damp mop during the first month to allow adhesive to settle itself.
4. Bear in mind that temperature and humidity have direct effect on how long it takes for the adhesive to get dry. Therefore, ensure the room temperature to be at the minimum of 65°F (15°C), and humidity to be no more than 65% within 72 hours after installation.



# SURFACE PREPARATION

Wesflex Co.,Ltd. Flooring System can be installed using White Glue or Black Glue adhesive. It may be suitable for installation over non-porous surfaces and existing vinyl floors or used in wet use areas.

Please consult your Wesflex Co.,Ltd. Flooring System Representative for your particular application.

1. All supporting surfaces shall be structurally sound, solid, stable, level, plumb and true to a tolerance in plane of 1/4" in 10 feet (6 mm in 3 m) for floors. They shall be dry, clean and free of dust, oil, grease, paint, tar, wax, curing agent, primer, sealer, old adhesive or any deleterious substance and debris which may prevent or reduce adhesion.

2. Mechanically sand, bead blast or scarify the substrate to completely remove all paint, loosely bonded topping, loose particles, construction debris, old adhesive and any contaminant that may prevent or reduce adhesion.

3. Remove any trace of strong acid or alkali from the substrate prior to the application of the surface product and/or the adhesive.

4. The supporting surfaces shall be dried. The moisture emission shall not exceed 3lbs / 1000s.f. /24 hrs (1.36 kg / 92.9s.m. /24 hrs) for concrete. For wood underlayment, the moisture content should meet with the requirements of the wood manufacturer and/or flooring manufacturer, generally 8-10% using a "Delmhorst Wood Moisture tester".

5. In all cases, the structural design of floors shall not allow a deflection of more than 1/360 of span under live or dead loads.



# CONCRETE

**SGS**

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Determination of overall thickness	EN 428-1003	For overall thickness: Average value should be nominal value $\pm 0.5$ mm Individual results should be average value $\pm 0.15$ mm	File (Min. thickness: 2.00 mm Max. thickness: 2.04 mm Min. thickness: 2.07 mm)
Determination of the thickness of layers	EN 428-1003	Determination of the thickness of layers of floor materials	0.5 mm thickness: 0.55 mm
Determination of mass per unit area	EN 428-1004	Total mass per unit area (average) should be nominal value $\pm 0.2$ g/m <sup>2</sup>	10.0 g/m <sup>2</sup> per 1000 cm <sup>2</sup>
Determining the resistance against separation of two layers of a resilient floor covering by peeling	EN 428-1004	Take six test pieces of square shape from the surface. The distance between the outer edge of the sample and the lateral edge of the test piece being at least 100 mm. Of specimen length 100 mm and width 100 mm (area = 10,000 mm <sup>2</sup> ) in the machine direction and three cut in the transverse direction.  Place the test piece from joint of the sample testing machine so that joints in joints evenly over the surface. Use the machine and its recording device in operation until the equipment of separation is 10000 N.  Record the separation force which continues beyond the initial separation. If the tears cannot be separated, record the force and do not conduct the test.	(See Remarks) 10000 N
Determination of shear force	EN 428-1004	Use wedges between the joint and the test piece to ensure that the direction of tensile stress exerted is parallel to surface of the test piece. Apply the force and increase it by moving the joint at a constant speed of 10000 N/min until complete separation has occurred. Record the maximum force.	(See Remarks)

The test report of the above reports shall present in case of discrepancy between the test data and the test data.

WESFLEX CO., LTD.  
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LADPRAO RD. BOX 101 WANGTHONGLANG BANGKOK 10230 THAILAND

1. Concrete substrates shall be free of sealer or curing compound. The substrate shall be cured for a minimum of 42 days and tested for moisture emission using the anhydrous calcium chloride method. Test results shall be no more than 3lbs/1000s.f. /24 hrs (1.36kg / 92,9s.m. /24 hrs) prior to the installation of the floor covering.

2. Concrete substrates shall be finished using a flat trowel. The surface shall be sound, true and level to a tolerance in plane of 1/4" in 10 feet (6 mm in 3 m) for floors.

3. The installer shall be responsible to complete a humidity test, providing the humidity test has to be done at least 96 hours (4 days) prior to commencing work, and the results shall not exceed 3lbs / 1000s.f. /24 hrs (1.36kg /92.9 s.m. /24 hrs) with the anhydrous calcium chloride test.

4. All new concrete surfaces should be steel trowel finished. A moisture barrier with a permeance of less than 0,2 metric perms as measured according to the ASMT-96 standard must be present under concrete slabs that are on or below grade. This barrier must be resistant to deterioration as well as to puncture during construction and must remain intact and continuous.

5. Any repair to the concrete substrate shall be made using the proper surface preparation product specified. Where self-smoothing surface preparation material is required, the concrete shall be bead blasted or scarified. Where a fast setting screed mortar or fast setting polymer-modified premixed mortar the concrete shall be scarified.

6. Neutralize any traces of strong acid or alkali prior to application of the surface preparation product or the adhesive.



**HEAD OFFICE**

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